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OM nucleic - nucleic search, using sw model

Run on: August 7, 2004, 03:54:24 ; Search time 82.2347 Seconds
(without alignments)
7227.512 Million cell updates/sec

Title: US-09-938-842A-1034

Perfect score: 1071

Sequence: 1 atggcgacaattcagaagct.....caggtcatcgaaccactga 1071

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*
1: /cgn2_6/prodata/2/ina/5A COMB.seq.*
2: /cgn2_6/prodata/2/ina/5B COMB.seq.*
3: /cgn2_6/prodata/2/ina/6A COMB.seq.*
4: /cgn2_6/prodata/2/ina/6B COMB.seq.*
5: /cgn2_6/prodata/2/ina/PCTUS COMB.seq.*
6: /cgn2_6/prodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	ID	Description
1	44	4.1	7218	1	US-08-232-463-14
2	41	3.8	7218	1	US-08-232-463-14
3	34	3.2	654	4	US-08-956-171B-613
4	33	3.1	2127	4	US-09-252-991A-8192
5	33	3.1	2874	4	US-09-252-991A-8112
6	32.8	3.1	4403765	3	US-09-103-840A-2
7	32.2	3.0	2406	4	US-09-632-098-5
8	32.2	3.0	2439	4	US-09-632-098-6
9	31.4	2.9	4411529	3	US-09-103-840A-1
10	31	2.9	3842	4	US-09-976-594-279
11	30.6	2.9	412	3	US-08-961-083-111
12	30.6	2.9	412	4	US-09-536-784-111
13	30.6	2.9	894	4	US-09-540-236-1485
14	30.6	2.9	912	4	US-09-489-039A-3905
15	30.6	2.9	1288	4	US-09-620-312D-546
16	30.6	2.9	1648	4	US-08-833-381-2048
17	30.6	2.9	6693	4	US-08-961-527-195
18	30.6	2.9	49617	4	US-09-596-002-28
19	30.4	2.8	2172	1	US-07-982-712-1
20	30.4	2.8	7766	4	US-09-123-619-3
21	30.4	2.8	580073	4	US-08-545-528D-1
22	30.2	2.8	801	3	US-08-998-416-436
23	30.2	2.8	1553	3	US-09-217-490-1
24	30.2	2.8	2396	4	US-09-221-017B-74
25	30.2	2.8	23673	4	US-09-773-816-1
26	30	2.8	364	4	US-09-023-655-289
27	30	2.8	536	3	US-08-714-918-57

28 30 2.8 536 3 US-09-265-315-57 Sequence 57, Appl
29 30 2.8 536 3 US-09-265-315-57 Sequence 57, Appl
30 30 2.8 536 3 US-09-266-417-57 Sequence 57, Appl
31 30 2.8 536 4 US-09-528-709-57 Sequence 57, Appl
32 30 2.8 536 4 US-09-527-745-57 Sequence 57, Appl
33 30 2.8 161652 4 US-09-497-855A-40 Sequence 40, Appl
34 30 2.8 1664976 4 US-08-916-421B-1 Sequence 1, Appl
35 29.8 582 4 US-09-252-991A-12349 Sequence 12349, A
36 29.8 618 4 US-09-252-991A-12199 Sequence 12199, A
37 29.8 1036 4 US-09-252-991A-12295 Sequence 12295, A
38 29.8 2.8 2628 4 US-09-294-531B-5 Sequence 5, Appl
39 29.8 4062 4 US-09-620-312B-348 Sequence 348, App
40 29.8 2.8 8878 1 US-08-759-444-2 Sequence 2, Appl
41 29.8 2.8 9880 3 US-08-680-897-1 Sequence 1, Appl
42 29.8 38155 4 US-09-453-702B-79 Sequence 79, Appl
43 29.8 2.8 4403765 3 US-09-103-840A-2 Sequence 2, Appl
44 29.8 2.8 4411529 3 US-09-103-840A-1 Sequence 1, Appl
45 29.6 2.8 1302 2 US-08-529-600D-3 Sequence 3, Appl

ALIGNMENTS

RESULT 1
US-08-232-463-14
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, P. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMM
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgpt-Fls
US-08-232-463-14

Query Match

4.1%; Score 44; DB 1; Length 7218;

OTHER INFORMATION: "n" bases at various positions throughout the sequence
; OTHER INFORMATION: represent a, t, c or g
US-09-103-840A-2

Query Match 3.1%; Score 32.8; DB 3; Length 4403765;
Best Local Similarity 59.8%; Pred. No. 96;
Matches 55; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

QY 133 CTGACGCCAAGCGGAGCGGTGATGCGCTGCTTTTCAATGCTTTAGCTCCACCGTCT 192
Db 3941480 CTGCGGACNAGCGCGCGCGGGTGTGCGGGCGCGCGGCGGATAACCCACCGCA 3941539

QY 193 TCACAGGACACCATTTGAAGAGAGCTTCGAC 224
Db 3941540 TCGCGGCACCGCGGTGACGGCGGACCGGC 3941571

RESULT 7
US-09-632-098-5
; Sequence 5, Application US/09632098
; Patent No. 6420154
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Baidur, Nand
; TITLE OF INVENTION: MAMMALIAN ADHESION PROTEASE PEPTIDES
; FILE REFERENCE: 99-39
; CURRENT APPLICATION NUMBER: US/09/632,098
; CURRENT FILING DATE: 2000-08-02
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 2406
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Degenerate sequence
; NAME/KEY: misc feature
; LOCATION: (1)...(2406)
; OTHER INFORMATION: n = A,T,C or G
US-09-632-098-5

Query Match 3.0%; Score 32.2; DB 4; Length 2406;
Best Local Similarity 25.2%; Pred. No. 4.9;
Matches 82; Conservative 47; Mismatches 197; Indels 0; Gaps 0;

QY 637 CTGCGCAAGAAATATCCGATGCGGTATCCATCAAGCGCAATGATCCGACGTC 696
Db 1016 CNGCGCNACNATGCGNCAYGARATHGNCAYNSNYTNGNYTNWSNCAYGAYCCNGAYG 1075

QY 697 GGAGCTTCTTCTTGAATTCACAAATCGCTGCTCGGTCGAATCAGCTCACTATTAGCT 756
Db 1076 GNTGYGTNGARGCNGCNGARWSNGGNGTGYTNATGCGCNGCNGCNGCNGC 1135

QY 757 TTTCGCCGCGCGCTGCTTCGCGTCTTACGTCGCGCTGTTTCAACAGCGTTCACG 816
Db 1136 AYCCNTTYCCNMGNNTTYWSNGCNTGYWSNMGMNCARYTNMNGNCNTTYTYMGNA 1195

QY 817 ATGGCTAGACCACTCTCTTACAAAGTTGTTTCAAGCAGCGCTTGTATCCGTTTCAGAC 876
Db 1196 ARGNGGNGGNGCNTGYTNWSNAYCCNCGAYCCNGNYTNCNGNTNCNCNGCNY 1255

QY 877 GTTAGCGGTTTCAATTCAGAGCGAGCGGTCGCTGTTATGCTCCGAGCTCAAGCTCAGGC 936
Db 1256 TMTGYGNAAYGNTTGTNGARGCNGGNGARGARTGYGTGYGNCNGCNGCARGART 1315

QY 937 GTACACACCGGTAGTTCATCGTCAAT 962
Db 1316 GYMNGAYTNTGYTTYGNCAY 1341

RESULT 9
US-09-103-840A-1
; Sequence 1, Application US/09103840A
; Patent No. 6294328
; GENERAL INFORMATION:
; APPLICANT: FLEISCHMAN, Robert D.
; APPLICANT: WHITE, Owen R.
; APPLICANT: FRASER, Claire M.
; APPLICANT: VENTER, John C.
; TITLE OF INVENTION: DNA SEQUENCES FOR STRAIN ANALYSIS IN MYCOBACTERIUM
; FILE REFERENCE: 24366-20007.00
; CURRENT APPLICATION NUMBER: US/09/103,840A
; CURRENT FILING DATE: 1998-06-24
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 1
; LENGTH: 4411529
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
; OTHER INFORMATION: H37Rv
US-09-103-840A-1

Query Match 2.9%; Score 31.4; DB 3; Length 4411529;

Query Match 3.1%; Score 32.8; DB 3; Length 4403765;
Best Local Similarity 59.8%; Pred. No. 96;
Matches 55; Conservative 0; Mismatches 37; Indels 0; Gaps 0;

QY 133 CTGACGCCAAGCGGAGCGGTGATGCGCTGCTTTTCAATGCTTTAGCTCCACCGTCT 192
Db 3941480 CTGCGGACNAGCGCGCGGGTGTGCGGGCGCGCGGCGGATAACCCACCGCA 3941539

QY 193 TCACAGGACACCATTTGAAGAGAGCTTCGAC 224
Db 3941540 TCGCGGCACCGCGGTGACGGCGGACCGGC 3941571

RESULT 7
US-09-632-098-5
; Sequence 5, Application US/09632098
; Patent No. 6420154
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Baidur, Nand
; TITLE OF INVENTION: MAMMALIAN ADHESION PROTEASE PEPTIDES
; FILE REFERENCE: 99-39
; CURRENT APPLICATION NUMBER: US/09/632,098
; CURRENT FILING DATE: 2000-08-02
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 2406
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Degenerate sequence
; NAME/KEY: misc feature
; LOCATION: (1)...(2406)
; OTHER INFORMATION: n = A,T,C or G
US-09-632-098-5

Query Match 3.0%; Score 32.2; DB 4; Length 2406;
Best Local Similarity 25.2%; Pred. No. 4.9;
Matches 82; Conservative 47; Mismatches 197; Indels 0; Gaps 0;

QY 637 CTGCGCAAGAAATATCCGATGCGGTATCCATCAAGCGCAATGATCCGACGTC 696
Db 1016 CNGCGCNACNATGCGNCAYGARATHGNCAYNSNYTNGNYTNWSNCAYGAYCCNGAYG 1075

QY 697 GGAGCTTCTTCTTGAATTCACAAATCGCTGCTCGGTCGAATCAGCTCACTATTAGCT 756
Db 1076 GNTGYGTNGARGCNGCNGARWSNGGNGTGYTNATGCGCNGCNGCNGCNGC 1135

QY 757 TTTCGCCGCGCGCTGCTTCGCGTCTTACGTCGCGCTGTTTCAACAGCGTTCACG 816
Db 1136 AYCCNTTYCCNMGNNTTYWSNGCNTGYWSNMGMNCARYTNMNGNCNTTYTYMGNA 1195

QY 817 ATGGCTAGACCACTCTCTTACAAAGTTGTTTCAAGCAGCGCTTGTATCCGTTTCAGAC 876
Db 1196 ARGNGGNGGNGCNTGYTNWSNAYCCNCGAYCCNGNYTNCNGNTNCNCNGCNY 1255

QY 877 GTTAGCGGTTTCAATTCAGAGCGAGCGGTCGCTGTTATGCTCCGAGCTCAAGCTCAGGC 936
Db 1256 TMTGYGNAAYGNTTGTNGARGCNGGNGARGARTGYGTGYGNCNGCNGCARGART 1315

QY 937 GTACACACCGGTAGTTCATCGTCAAT 962
Db 1316 GYMNGAYTNTGYTTYGNCAY 1341

RESULT 8
US-09-632-098-6
; Sequence 6, Application US/09632098
; Patent No. 6420154
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Baidur, Nand
; TITLE OF INVENTION: MAMMALIAN ADHESION PROTEASE PEPTIDES
; FILE REFERENCE: 99-39
; CURRENT APPLICATION NUMBER: US/09/632,098
; CURRENT FILING DATE: 2000-08-02
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 2439
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Degenerate sequence
; NAME/KEY: misc feature
; LOCATION: (1)...(2439)
; OTHER INFORMATION: n = A,T,C or G
US-09-632-098-6

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Best Local Similarity 59.6%; Pred. No. 1.2e+02;
Matches 53; Conservative 0; Mismatches 36; Indels 0; Gaps 0;

QY 136 GAGCCCAAGCGGAGCGGTCGATCGCGTCTGTTTCAATGTCCTTAGCTCCACCGTCTTCG 195
Db 3947108 GCGGACAAGCGCGCGCGGCTGCTGGCGGGCGCGCGATACCCCAACCGGATCG 3947167
QY 196 ACAGGACCACCATGGAAGAGAGCTTCGAC 224
Db 3947168 GCGCACCGCGGTGACGCGGCGCACCGGC 3947196

RESULT 10
US-09-976-594-279
; Sequence 279, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 279
; LENGTH: 3842
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 2258794CB1
US-09-976-594-279

Query Match 2.9%; Score 31; DB 4; Length 3842;
Best Local Similarity 57.9%; Pred. No. 15;
Matches 55; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

QY 880 AGCGGTTCAATTTATCAAGAGCGAGCTCGGTTATGCTCCGAGCTCAAGCTCAGCGTA 939
Db 3033 AGCGGCTGTGGCGTGGAGAGCGCTGCGAGTGAGTGGCTTCAAGCTCAGCACTC 3092
QY 940 ACAACGGTAGTTCATCGTCAATTCACAACAAC 974
Db 3093 ACAAGATGCTGTTCATCGTGAACCTCGAGGACTAC 3127

RESULT 11
US-08-961-083-111
; Sequence 111, Application US/08961083
; Patent No. 6159469
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: 08/961,083
; FILING DATE: OCT-30-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Michelle S. Marks
; REGISTRATION NUMBER: 41,971
; REFERENCE/DOCKET NUMBER: PB340P3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 111:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 412 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 111:
US-09-536-784-111
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; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brookes, A. Anders
; REGISTRATION NUMBER: 36,373
; REFERENCE/DOCKET NUMBER: PB340P2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 111:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 412 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; US-08-961-083-111

Query Match 2.9%; Score 30.6; DB 3; Length 412;
Best Local Similarity 53.8%; Pred. No. 6.2;
Matches 63; Conservative 0; Mismatches 54; Indels 0; Gaps 0;

QY 798 TGTTCACAGCGCTTCCACGATGGCTAGACCACTCTCTTTTACAAGTTGTTCCAGCAGCG 857
Db 177 TGTCCAATCGCTCTTATCATGTTGCGACTGCGTCCACAGACCTTTTTCGAAGGGGG 236
QY 858 CTTTGTATCGTTTCAGACGTTAGCGGTTGCAATTTATCAAGAGCGAGCTCGGTTAT 914
Db 237 CTTTGTCTCAGTACCGCGCTGTTATCGTGGCGTGTGTCAGGAGTGCTCTCTTTAT 293

RESULT 12
US-09-536-784-111
; Sequence 111, Application US/09536784
; Patent No. 6573082
; GENERAL INFORMATION:
; APPLICANT: Choi et. al.
; TITLE OF INVENTION: Streptococcus pneumoniae Antigens and Vaccines
; NUMBER OF SEQUENCES: 452
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/536,784
; FILING DATE: 30-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/961,083
; FILING DATE: OCT-30-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Michelle S. Marks
; REGISTRATION NUMBER: 41,971
; REFERENCE/DOCKET NUMBER: PB340P3
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (301) 309-8504
; TELEFAX: (301) 309-8512
; INFORMATION FOR SEQ ID NO: 111:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 412 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 111:
US-09-536-784-111
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Query Match 2.9%; Score 30.6; DB 4; Length 412;
Best Local Similarity 53.8%; Pred. No. 6.2; Indels 0; Gaps 0;
Matches 63; Conservative 0; Mismatches 54;

QY 798 TGTTCACAGGCTTCCAGCATGGCTAGACACCTCTTACAGTGTCTCCAGCAGCGG 857
DB 177 TGTCCAAATCGCTCTTTATCATGTTGCGACTGCTCCACACACCTTTTTCNAAGGGGG 236
QY 858 CTTTGTATCGGTTTCAGACGTTAGCGGTTTCAATTTATCAAGACGACGCTGGTTAT 914
DB 237 CTTTGTCTCAGTACCGCTGTATCGCTGGCGGTGTCTCAGGAGTGCTGTCTTAT 293

RESULT 13
US-09-540-236-1485/c
; Sequence 1485, Application US/09540236
; Patent No. 6673910
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATAR
; FILE REFERENCE: 2709.2005-001
; CURRENT APPLICATION NUMBER: US/09/540,236
; CURRENT FILING DATE: 2000-04-04
; NUMBER OF SEQ ID NOS: 3840
; SEQ ID NO 1485
; LENGTH: 894
; TYPE: DNA
; ORGANISM: M.catarrhalis
US-09-540-236-1485

Query Match 2.9%; Score 30.6; DB 4; Length 894;
Best Local Similarity 46.8%; Pred. No. 9.5; Indels 0; Gaps 0;
Matches 96; Conservative 0; Mismatches 109;

QY 432 AACCTTAAATCCGACGACGACGACGCTGATCTGATATGGGTGAAATCTGATGAA 491
DB 297 ATCTTTAAAGTACAGCTTCGGCATCGGAGCTGATATAGCGGTGCTAAGATATTTTC 238
QY 492 GAAGAAACGTAACGACCTTCTAACAGTGAGTATATAGACATAGCGACGCGTTTCAGC 551
DB 237 AGCAAAATCTGCAAGCCTTCTAGGATCATATCCACCGACTCAGGATCTCGCGCAGCACC 178
QY 552 TTCTCTCGGTTTGTAGTCCAAATGCCACGACGACGATCCACCTCCGCAAGCTCTGCG 611
DB 177 ATATCCAGTGTTTTATAATGTGCTTGTATGATCAAGCATCTCATTTATTAATAATTAAT 118

QY 612 ATCATCCACTGTGCTCAGCACTT 636
DB 117 ATCAGCAAGGGGCTTTGTAGTT 93

RESULT 14
US-09-489-039A-3905/c
; Sequence 3905, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 3905
; LENGTH: 912
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-3905

Query Match 2.9%; Score 30.6; DB 4; Length 912;
Best Local Similarity 56.4%; Pred. No. 9.6; Indels 0; Gaps 0;
Matches 57; Conservative 0; Mismatches 44;

QY 311 GAGAGTTAGTTCACAAATCCGACGCGGAAACGATTCGGTGGTTGTTGGAGAACGCTGAGC 370
DB 202 GCGAATCAGGAATGATCCCGCGGTTATAGGGGGCGAGGAAGTTGCGGAATACCGCA 143
QY 371 CGCGGATTATAGCGCCACCGGTACGGGAACGTTCCCGCC 411
DB 142 TGAGGATCATCACCAACCGTATATACGACCGCCGACGCGCC 102

RESULT 15
US-09-620-312D-546/c
; Sequence 546, Application US/09620312D
; Patent No. 6569662
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Wang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yungqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: No. 6569662el Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt FL_genes Version 1.0
; SEQ ID NO 546
; LENGTH: 1288
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (95)..(928)
US-09-620-312D-546

Query Match 2.9%; Score 30.6; DB 4; Length 1288;
Best Local Similarity 55.0%; Pred. No. 12; Indels 0; Gaps 0;
Matches 60; Conservative 0; Mismatches 49;

QY 7 ACAATTCAGAAGCTTCAAGAAGTTGCAGGCAAGATCAAACTCTAAGAGCGGTGATCTA 66
DB 439 ATAGTTCGGCACCTCCACCGTTTGGCCCTCCACGATGTTCTTCAGAGTCTGTGATCAA 380
QY 67 ACCATCATCAACGGGTTCAGAAACGTCGAAACTTCAAGACCTTCCNAG 115
DB 379 ATCATTATCAAGGCACTGTGATGGTTCAGAAATTTGACTGTCTTCTTCAAG 331

Search completed: August 7, 2004, 06:55:43
Job time : 98.2347 secs

Result No.	Query %			DB	ID	Description
	Score	Match	Length			
1	1071	100.0	1071	9	US-09-938-842A-1034	Sequence 1034, App
2	1071	100.0	1071	11	US-09-938-842A-1034	Sequence 1034, App
C 3	448	41.8	460	9	US-09-924-035A-502	Sequence 502, App
C 4	439	41.0	453	9	US-09-770-444-615	Sequence 615, App
5	228.6	22.3	1847	13	US-10-424-599-109777	Sequence 109777, App
6	185	17.3	185	9	US-09-770-696-257	Sequence 257, App
7	183.6	17.1	1090	13	US-10-425-114-8512	Sequence 8512, App
8	157.8	14.7	1176	13	US-10-425-114-14614	Sequence 14614, A
9	145.2	13.6	1113	13	US-10-424-599-43464	Sequence 43464, A
10	138	12.9	1594	13	US-10-424-599-63594	Sequence 63594, A
11	129	12.0	1519	13	US-10-425-114-14605	Sequence 14605, A
12	129	12.0	1728	10	US-09-934-455-169	Sequence 169, App
13	129	12.0	1728	16	US-10-325-068-165	Sequence 165, App
14	129	12.0	1728	16	US-10-374-780A-219	Sequence 219, App

	Matches	1071;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps	0;
QY	1	ATGCGCAAA	TT	CAGAACTT	GAAGAACTT	CAGCGAAAGAT	CAAACTCT	TAAGAGCGGTT	60	
Db	1	ATGCGCAAA	TT	CAGAACTT	GAAGAACTT	CAGCGAAAGAT	CAAACTCT	TAAGAGCGGTT	60	
QY	61	GATCTAA	CCATCAT	CAACGGCGT	CAGAAAGCT	CCAAAGCTT	TCAGAGCTT	TCCAAGTAAT	120	

```

RESULT 1
US / 09-938-842A-1034
/ Sequence 1034, Application US/09938842A
/ Patent No. US20020160378A1
GENERAL INFORMATION:
/ APPLICANT: Harper, Jeff
/ APPLICANT: Kreps, Joel
/ APPLICANT: Wang, Xun
/ APPLICANT: Zhu, Tong
/ TITLE OF INVENTION: STRESS-REGULATED G
/ TITLE OF INVENTION: SAME, AND METHODS
/ FILE REFERENCE: SCRIPI300-3
/ CURRENT APPLICATION NUMBER: US/09/938-,
/ CURRENT FILING DATE: 2001-08-24
/ PRIOR APPLICATION NUMBER: US /60/227,866
/ PRIOR FILING DATE: 2000-08-24
/ PRIOR APPLICATION NUMBER: US /60/264,644
/ PRIOR FILING DATE: 2001-01-16
/ PRIOR APPLICATION NUMBER: US /60/300,111
/ PRIOR FILING DATE: 2001-06-22
/ NUMBER OF SEQ ID NOS: 5379

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61 GATCTAACCATCATCAACGCGCTCAGAAACGTCGAACTTCAAGACCTTTCCAAAGTAAAT 120
 121 CCACAGTGTAGTCTCGAGCCCAAGCGGAGCCGGTGTATGCGTCTGTTTCAATGCTCTTTA 180
 121 CCACAGTGTAGTCTCGAGCCCAAGCGGAGCCGGTGTATGCGTCTGTTTCAATGCTCTTTA 180
 181 GCTCCACCGTCTTCGACAGGACCACTTCAAGAGAGCTTCGACTAAAGACCGGTCAACAG 240
 181 GCTCCACCGTCTTCGACAGGACCACTTCAAGAGAGCTTCGACTAAAGACCGGTCAACAG 240
 241 AAGGTTCAAGGAAGAGGAGAGATACGATCGGATGCTCCACGCTGCTGCGGTAGGATTTT 300
 241 AAGGTTCAAGGAAGAGGAGAGATACGATCGGATGCTCCACGCTGCTGCGGTAGGATTTT 300
 301 CAATTAATCTGAGAGTTAGTCAAAATCCGACGGCGAAACGATTCGGTGGTGTCTGGAG 360
 301 CAATTAATCTGAGAGTTAGTCAAAATCCGACGGCGAAACGATTCGGTGGTGTCTGGAG 360
 361 AACGCTGAGCGCGGATTTATAGCGCCCAAGGTTACGGGAACGGTTCGCGCCATCGCCATG 420
 361 AACGCTGAGCGCGGATTTATAGCGCCCAAGGTTACGGGAACGGTTCGCGCCATCGCCATG 420
 421 TCGGTTAAACGAACTTAAATAATCCGACGACGACGACGACGACGACGACGACGACGAC 480
 421 TCGGTTAAACGAACTTAAATAATCCGACGACGACGACGACGACGACGACGACGACGAC 480
 481 AATCTGATGAAGAAGAACTTAAAGAGCTTCTAACAGTGTATATAGACATTAAGCGAC 540
 481 AATCTGATGAAGAAGAACTTAAAGAGCTTCTAACAGTGTATATAGACATTAAGCGAC 540
 541 GCGGTTTTCAGCTTCTCCGCTTTCAGTCCCAATTCGACGACGACGACGACGACGACGAC 600
 541 GCGGTTTTCAGCTTCTCCGCTTTCAGTCCCAATTCGACGACGACGACGACGACGACGAC 600
 601 CAAGCTCTGGCATCATCACTGTGGCTCAGCAACTTCTGCGGCAAGGAATGTATCCGATG 660
 601 CAAGCTCTGGCATCATCACTGTGGCTCAGCAACTTCTGCGGCAAGGAATGTATCCGATG 660
 661 TGGGCTATTCCATCAAGAGCAATGATTCGAGCGTTCGAGCTTCTTCTGATTCACAA 720
 661 TGGGCTATTCCATCAAGAGCAATGATTCGAGCGTTCGAGCTTCTTCTGATTCACAA 720
 721 ATCGTGTCTCGCTCGAATCAGCTTATAGCTTTTCCGCGCGCGCTGCTTCCGCG 780
 721 ATCGTGTCTCGCTCGAATCAGCTTATAGCTTTTCCGCGCGCGCTGCTTCCGCG 780
 781 TCGTCTTACGTCGCGCTGTTCAACAGGCTTCCACGATGGCTAGACCACTCTCTTTACAA 840
 781 TCGTCTTACGTCGCGCTGTTCAACAGGCTTCCACGATGGCTAGACCACTCTCTTTACAA 840
 841 GTTGTTCCAAGCAGCGGCTTTGATTCGTTTCAGAGCTTTCGAGCTTTCGAAATTTATCAAGA 900
 841 GTTGTTCCAAGCAGCGGCTTTGATTCGTTTCAGAGCTTTCGAGCTTTCGAAATTTATCAAGA 900
 901 GCGAGCTCGGTTATGGCTCCGAGCTCAAGCTCAGCGGTAACAAACCGGTAGTTTCATGCTCA 960
 901 GCGAGCTCGGTTATGGCTCCGAGCTCAAGCTCAGCGGTAACAAACCGGTAGTTTCATGCTCA 960
 961 ATTGCAAAACAAACGACGACGACGCTGAGAGACTTCTCCCTAGAGATATACGAGAAACAA 1020
 961 ATTGCAAAACAAACGACGACGCTGAGAGACTTCTCCCTAGAGATATACGAGAAACAA 1020
 1021 GAGCTTCCAGCTTATGAGCACCACAAACGACGCTCATCGAACCACTGA 1071
 1021 GAGCTTCCAGCTTATGAGCACCACAAACGACGCTCATCGAACCACTGA 1071

RESULT 2

US-09-938-842a-1034
 ; Sequence 1034, Application US/09938842a
 ; Publication No. US20040009476a9
 ; GENERAL INFORMATION:
 ; APPLICANT: Harper, Jeff

; APPLICANT: Kreps, Joel
 ; APPLICANT: Wang, Xun
 ; APPLICANT: Zhu, Tong
 ; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
 ; TITLE OF INVENTION: SAME, AND METHODS OF USE
 ; FILE REFERENCE: SCRIPI300-3
 ; CURRENT APPLICATION NUMBER: US/09/938,842A
 ; CURRENT FILING DATE: 2001-08-24
 ; PRIOR APPLICATION NUMBER: US 60/227,856
 ; PRIOR FILING DATE: 2000-08-24
 ; PRIOR APPLICATION NUMBER: US 60/264,647
 ; PRIOR FILING DATE: 2001-01-16
 ; PRIOR APPLICATION NUMBER: US 60/300,111
 ; PRIOR FILING DATE: 2001-06-22
 ; NUMBER OF SEQ ID NOS: 5379
 ; SEQ ID NO 1034
 ; LENGTH: 1071
 ; TYPE: DNA
 ; ORGANISM: Arabidopsis thaliana
 ; US-09-938-842A-1034

Query Match 100.0%; Score 1071; DB 11; Length 1071;
 Best Local Similarity 100.0%; Pred. No. 0;
 Matches 1071; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Qy 1 ATGCGCAATTCAGAAGCTTGAAGAAGTTGCGAGGCAAGATCAAACTCTAAGAGCCGTT 60
 Db 1 ATGCGCAATTCAGAAGCTTGAAGAAGTTGCGAGGCAAGATCAAACTCTAAGAGCCGTT 60
 Qy 61 GATCTAACCATCATCAACGCGCTCAGAAACGTCGAACTTCAAGACCTTTCCAAAGTAAAT 120
 Db 61 GATCTAACCATCATCAACGCGCTCAGAAACGTCGAACTTCAAGACCTTTCCAAAGTAAAT 120
 Qy 121 CCCACAGTGTAGTCTCGAGCCCAAGCGGAGCGGTGATGCGCTGCTTTCAATGCTTTA 180
 Db 121 CCCACAGTGTAGTCTCGAGCCCAAGCGGAGCGGTGATGCGCTGCTTTCAATGCTTTA 180
 Qy 181 GCTCCACCGTCTTCGACAGGACCACTTCAAGAGAGCTTCGACTAAAGACCGGTCAACAG 240
 Db 181 GCTCCACCGTCTTCGACAGGACCACTTCAAGAGAGCTTCGACTAAAGACCGGTCAACAG 240
 Qy 241 AAGGTTCAAGGAAGAGGAGAGATACGATCGGATGCTCCACGCTGCTGCGGTAGGATTTT 300
 Db 241 AAGGTTCAAGGAAGAGGAGAGATACGATCGGATGCTCCACGCTGCTGCGGTAGGATTTT 300
 Qy 301 CAATTAATCTGAGAGTTAGTCAAAATCCGACGGCGAAACGATTCGGTGGTGTCTGGAG 360
 Db 301 CAATTAATCTGAGAGTTAGTCAAAATCCGACGGCGAAACGATTCGGTGGTGTCTGGAG 360
 Qy 361 AACGCTGAGCGCGGATTTATAGCGCCCAAGGTTACGGGAACGGTTCGCGCCATCGCCATG 420
 Db 361 AACGCTGAGCGCGGATTTATAGCGCCCAAGGTTACGGGAACGGTTCGCGCCATCGCCATG 420
 Qy 421 TCGGTTAAACGAACTTAAATAATCCGACGACGACGACGACGACGACGACGACGACGAC 480
 Db 421 TCGGTTAAACGAACTTAAATAATCCGACGACGACGACGACGACGACGACGACGACGAC 480
 Qy 481 AATCTGATGAAGAAGAACTTAAAGAGCTTCTAACAGTGTATATAGACATTAAGCGAC 540
 Db 481 AATCTGATGAAGAAGAACTTAAAGAGCTTCTAACAGTGTATATAGACATTAAGCGAC 540
 Qy 541 GCGGTTTTCAGCTTCTCCGCTTTCAGTCCCAATTCGACGACGACGACGACGACGACGAC 600
 Db 541 GCGGTTTTCAGCTTCTCCGCTTTCAGTCCCAATTCGACGACGACGACGACGACGACGAC 600
 Qy 601 CAAGCTCTGGCATCATCACTGTGGCTCAGCAACTTCTGCGGCAAGGAATGTATCCGATG 660
 Db 601 CAAGCTCTGGCATCATCACTGTGGCTCAGCAACTTCTGCGGCAAGGAATGTATCCGATG 660
 Qy 661 TGGGCTATTCCATCAAGAGCAATGATTCGAGCGTTCGAGCTTCTTCTGATTCACAA 720
 Db 661 TGGGCTATTCCATCAAGAGCAATGATTCGAGCGTTCGAGCTTCTTCTGATTCACAA 720

Db 121 TGATGGCTGTTTCAATGCTTTAGTCTCCACCGTCTTCGACAGGACCACTTGAAGA 180
QY 215 GAGCT 219
| | | | |
Db 181 GAGCT 185

RESULT 7

US-10-425-114-8512
; Sequence 8512, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 8512
; LENGTH: 1090
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: 700756889_FLI
US-10-425-114-8512

Query Match 17.1%; Score 183.6; DB 13; Length 1090;
Best Local Similarity 63.7%; Pred. No. 1.4e-52;
Matches 320; Conservative 0; Mismatches 164; Indels 18; Gaps 2;
QY 269 GCATCGCTGCCACGTGTGGGTAGGATTTTCAATTAACTACGAGTTAGTCAAAAT 328
Db 1 GAATCCCGCCACGTGTGGGGAGGATCTTCAGCTGACCCGAGAGCTCGGTCTATAAT 60
QY 329 CCGACGGCGAAGACGATTCGTTGTTGGAGAACGCTGAGCGGGGATTATAGCGCA 388
Db 61 CCGACGGCGAAGACGATTCGTTGTTGGAGAACGCTGAGCGGGGATTATAGCGCA 120
QY 389 CGGTACGGGAACGTTCCCGCATCGCATGTGGTTAAACGGAACTTTAAAAATCCCGA 448
Db 121 CCGCACCGGCACAGTCCCGCCCATCGCATGTGGTTAAACGGAACTTTAAAGATTCGA 180
QY 449 CGACACGAAACGCTGATCTGATATGGGTGAAATCTGATGAAGAAACGTAACGAC 508
Db 181 CCACCTCACTTCGATCAAGAACCGGAGAGCCGCCGAGAGGAAGAAGCGCAACGAC 240
QY 509 CTTCTACAGTGAGTATATAGACATAA---GGAGCGGTTTTCAGTCTCCTCGGTTAG 565
Db 241 CCGGAATAGCGCTACGTGACATTAACGGCGCGCGGTTTCGGTCTCGGCGGGCTCG 300
QY 566 CTCGAATGCCACGACGACAAACGATCCAACTCCGCAAGCTCTGCAATCATCACTGTGG 625
Db 301 CAAGCTCTATTATTAATAATAACCAAAACGACGACGACGATGACGACGATGG 360
QY 626 CTCGACACTTC-----TGGCGAAGGATGATCCGATGTTGGGCTATTC 670
Db 361 CAATTCGCAACATACAGCAATTCGGTTGCGCAAGGAATGTTCCCGTGTGGGCCATCC 420
QY 671 CATCAACGCAATGATTCGAGCGGTTCGAGCTTTCTTCTGATTCACAAATCGTGTGC 730
Db 421 CTTCAACGCGCTGTTCCGGCTGAGGAGCTTTTGTGGTCTCTCAACGCGGCTGT 480
QY 731 CGTGAATCAGCTCAGTTAT 752
Db 481 TTCAGATCAACCTCAGTTTT 502

RESULT 8

US-10-425-114-14614
; Sequence 14614, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(5313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 14614
; LENGTH: 1176
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB23-065-D10_FLI
US-10-425-114-14614

Query Match 14.7%; Score 157.8; DB 13; Length 1176;
Best Local Similarity 75.9%; Pred. No. 1.5e-43;
Matches 195; Conservative 0; Mismatches 62; Indels 0; Gaps 0;
QY 195 GACAGGACCACTTGAAGAGAGCTTCGACTAAAGACCGTCAACGAAAGTTGAAGGAAG 254
Db 278 GACTAAACCGGCTCCGAGAGACCGACTTCTAAAGACCGTCAACGAAAGTTGAAGGAAG 337
QY 255 AGGAGAGAGATACGATGCTTCGACCGGTGCGGCTAGGATTTTCAATTAACTCGAGA 314
Db 338 AGGTGCGAGGATCCGAATGCGCGGGTTCGCTGCTCGGGTCTTTCAATTGACCCGTGA 397
QY 315 GTTAGTTCACAAATCCGAGCGGGAACGATTCGGTGGTGTGGAGAACGTTGAGCGGC 374
Db 398 ACTTGTACAAATCCGAGCGGGAACGATACGGTGGTGTGGAGAACGTTGAGCGGC 457
QY 375 GATTATAGCGGACCGGTACGGGAACGGTTCGCCCATCGCCATGTCGTTAAACGGAAC 434
Db 458 GATAATTGAAGCAACCGGAACCGGAACTGTACCGGCTATGCTGTATCGTTAAACGGAAC 517
QY 435 CTTAAAAATCCGACGA 451
Db 518 TTTAAAAATCCGACGA 534

RESULT 9

US-10-424-599-43464
; Sequence 43464, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 43464
; LENGTH: 1113
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (1)..(1113)
; OTHER INFORMATION: unsure at all n locations

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FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_139247C.1
US-10-424-599-43464

Query Match      13.6%; Score 145.2; DB 13; Length 1113;
Best Local Similarity 64.6%; Pred. No. 3.8e-39;
Matches 232; Conservative 0; Mismatches 123; Indels 3; Gaps 1;

QY 221 CGACTAAGACCGTCACAGAGTTTGAAGAGAGGAGGAGATACGGATCGCTGCCA 280
Db 635 CGTGAAGGATCGGCACACAGAGGTGGAGGTCTGCGCGGAGAAATCAGGATCGCGCGA 694
QY 281 CGTGTGGCGGTAGGATTTTCAATTAACTCGAGAGTTAGTTCACAAATCCGACGCGGAAA 340
Db 695 CATCGCGGCGAGATCTTCCAGCTGACCGGGAACTGGGACACAAGTCCGAGCGGAAA 754
QY 341 CGATTTCGGTGGTGTGGAGAACGCTGAGCGCGGATATATAGCCGCCACGGGTACGGAA 400
Db 755 CAATCCGGTGTCTCTGGAGCACGCTGAGCGCGCAATCATCGAGGCCACCGCGCACCGCA 814
QY 401 CGGTTCGCGCATCGCATGTCGGTTAAACGGAACCTTAAATAATCCGACGACGACGACG 460
Db 815 CCATCCGCGCATCGCGTCTCGGTGCGGCGCACCTCAAGATTCGGACATCTCGGCAG 874
QY 461 CTGATTCTGATATGGGTGAAATCTGATGAAGAAGAAACGTAACGACCTTTCTAACAGTG 520
Db 875 CAAGACCGGAGAGAGTTGACACTCCGAAAAGCGAAGGAGGAGGAGCATCAACACGCG 934
QY 521 AGTATATAGACATAAGCG--ACGCGGTTTTCAGCTTCTCGGTTTTCAGTCCCAATTGC 575
Db 935 AATTCAATCGAGTGAACGAAACACAGGTTTCTGTCTTCTTCAGGGCTGGCAACCAATCGC 992

RESULT 10
US-10-424-599-63594
; Sequence 63594, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 63594
; LENGTH: 1594
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_28439C.1
US-10-424-599-63594

Query Match      12.9%; Score 138; DB 13; Length 1594;
Best Local Similarity 64.6%; Pred. No. 1.6e-36;
Matches 248; Conservative 0; Mismatches 115; Indels 21; Gaps 2;

QY 211 AAGAGAGCTTCGACTAAAGACCGTCACAGAGAGTTGAAGAGAGGAGGAGATACGG 270
Db 369 AAGCGCTCTCCACAGAGACCGGCACACCAAAGTGAAGGGCGGCGCGGAGATCCGA 428
QY 271 ATGCTGCGACGTGTGCGGTAGGATTTTCAATTAACTCGAGAGTTAGTTCACAAATCC 330
Db 429 ATACCGGCACTGCGCGCGCGGATCTTCCAGCTACCCGAGAGCTCGGCCACAAATCC 488
QY 331 GACGCGGAAACGATTTCGGTGGTTTGGAGAACGCTTGACCGCGGATATAGCCGCGACG 390
Db 489 GACGCGGAGACCGTTCGGTGGTCTCTGGAGACGCGCGCGGATCATCGAGGCCACC 548
QY 391 GGTACGGGAACGGTTCGCCCATTCGCCATGTCCGTTAACGGAACCTTAAATAATCCGACG 450
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Db 549 GGCACCGGCACAGTTCGGCCATCGCGGTCTCCGTGCGCGCGGCTCAAAATCCCAACC 608
QY 451 AC-----GACGAACGCTGATTCTGATATGGGTGAAAAATCTGATGAAGAGAAACGT 501
Db 609 ACTCATCAACTCTTAAGAGGAGCGCGCGCGCGCTCTCCACCAAGAGCGG 668
QY 502 AAACGACCTTTCTAACAGTGAAGT-----ATATAGACATAAGGAGCGCGCTTCA 549
Db 669 AAAGCCCTCTTAACAGCGAGTTCTGGACATAAACAATAAACAATAAAGCGCGCTTCG 728
QY 550 GTTCTCTCCGTTTAGCTCCAAAT 573
Db 729 CAGTCGTCGCGTCTGCGCCCGGTT 752

RESULT 11
US-10-425-114-14605
; Sequence 14605, Application US/10425114
; Publication No. US2004003488A1
; GENERAL INFORMATION:
; APPLICANT: Liu, Jingdong
; APPLICANT: Zhou, Yihua
; APPLICANT: Kovalic, David K.
; APPLICANT: Screen, Steven E.
; APPLICANT: Tabaska, Jack E.
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53313)B
; CURRENT APPLICATION NUMBER: US/10/425,114
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 73128
; SEQ ID NO 14605
; LENGTH: 1519
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB23-047-E8_FLI
US-10-425-114-14605

Query Match      12.0%; Score 129; DB 13; Length 1519;
Best Local Similarity 71.0%; Pred. No. 2.1e-33;
Matches 171; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 189 GTCTTCGACAGGACCCACCATTTGAAGAGCTTCGACTAAAGACCGTCACAGAGTTGA 248
Db 68 GGCAGCTAAAGGCCACCGTTTGAACGAGCGTTCGACGAAAGACCGACACACGAAAGTAGA 127
QY 249 AGGAAGAGGAGAGGATACGGATGCTGCGCACGTTGCGGCTAGGATTTTCAATTAC 308
Db 128 CGGAAGAGGAGGAGATAAGGATCCGCGCGTTATGTGACGTAGGTTTTCAGCTAAC 187
QY 309 TCGAGAGTTAGTGTCAAAATCCGAGCGCAACGATTCGTTGTTGGAGAACGCTGA 368
Db 188 GCGAGAGCTAGTGTATAATCCGACGTTGAGACATAGATGGCTTCTTCAACAGCTGA 247
QY 369 GCGCGCGATTATAGCGCGCACGGGTACGGGAACCGGTTCCGCCATTCGCCATTCGGTTAA 428
Db 248 ACCATCTGTAAATCGCGCCACCGGAACCGGAACATCCCGGGAATTTCACTTCTTTAAA 307
QY 429 C 429
Db 308 C 308

RESULT 12
US-09-934-455-169
; Sequence 169, Application US/09934455
; Publication No. US20030121070A1
; GENERAL INFORMATION:
; APPLICANT: Adam, Luc
; APPLICANT: Creelman, Robert
```

```

; APPLICANT: Dubell, Arnold
; APPLICANT: Heard, Jacqueline
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Keddie, James
; APPLICANT: Pilgrim, Marsha
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Reuber, Lynne
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Pineda, Onaira
; TITLE OF INVENTION: Genes for Modifying Plant Traits IV
; FILE REFERENCE: MBI-0025
; CURRENT APPLICATION NUMBER: US/09/934,455
; CURRENT FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/227439
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: MBI-0022
; PRIOR FILING DATE: 2001-11-16
; PRIOR APPLICATION NUMBER: MBI-0023
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 516
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 169
; LENGTH: 1728
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (106)..(1575)
; OTHER INFORMATION: GI064
US-09-934-455-169

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Query Match	12.0%;	Score 129;	DB 10;	Length 1728;
Best Local Similarity	71.0%;	Pred. No. 2.3e-33;		
Matches 171;	Conservative 0;	Mismatches 70;	Indels 0;	Gaps 0;
QY	189	GTCTTCGACAGGACCACCATTTGAAGAGAGCTTCGACTAAAGACCGTCACACGAGGTTGA	248	
Db	420	GGCAGCTAAAGAGCCCGTTGAAACGAGCGTTCGCGAAAGACCGCACACGAGAAAGTAGA	479	
QY	249	AGGAAGAGGAGAGAGATACGATTCGCTGCCAGGTGTGCGGTAGGATTTTTCAATTAAAC	308	
Db	480	CGGAAGAGGAGGAGAGATAAGATGTCGGCGGTTATGTGCAGCTAGGCTTTTCAGCTAAC	539	
QY	309	TCGAGAGTTAGGTCACAAATCCGACGCGCAACCGATTCCGTTGGTGTGTGAGAGAACCGTGA	368	
Db	540	GCAGAGCTAGGTCATATAATCCGACGGTGAGACAATAGAGTGGCTCTTCCACAGACTGA	599	
QY	369	GCGGCGGATTATAGCCGCCACGGGTACGGAAACGGTTTCCGCCATGCCCATTCGGGTTAA	428	
Db	600	ACCATCTGTAATCGCCGCCACCGGAACCGGAAACATCCCGCGCAATTTCACTTCTTTAAA	659	
QY	429	C 429		
Db	660	C 660		

RESULT 13
US-10-225-068-165
; Sequence 165, Application US/10225068
; Publication No. US20030217383A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Heard, Jacqueline E.
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Adam, Luc J.
; APPLICANT: Dubell, Arnold T.
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Pineda, Omaira
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Broun, Pierre E.

```

; TITLE OF INVENTION: STRESS-RELATED POLYNUCLEOTIDES AND
; TITLE OF INVENTION: POLYPEPTIDES IN PLANTS
; FILE REFERENCE: 51442002040
; CURRENT APPLICATION NUMBER: US/10/225,068
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 246
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 165
; LENGTH: 1728
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (106)...(1575)
US-10-225-068-165

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Query Match	12.0%;	Score 129;	DB 16;	Length 1728;
Best Local Similarity	71.0%;	Pred. No. 2.3e-33;		
Matches 171;	Conservative 0;	Mismatches 70;	Indels 0;	Gaps 0;
QY	189	GTCTTCGACAGGACCACCATTTGAAGAGAGCTTCGACTAAACCGGTACACGACGAGTTGA	248	
Db	420	GGCAGCTAAAGGCCCGTTGAAACGAGCGTTCACGAAAGCCGACACGAAAGTAGA	479	
QY	249	AGGAAGGGGAGAGAGATACGGATTCGCTGCCAGTGTGCGGTAGGATTTTTCAATTAAAC	308	
Db	480	CGGAAGGGGAGGAGAGATAGAGATGCGCGGCTTATGTGCAGCTAGGCTTTTCAGCTAAC	539	
QY	309	TCGAGAGTATTAGGTTCACAAATCCGACGCGGAAACGATTCGGTGGTGTGTGGAGACGCTGA	368	
Db	540	GGCAGAGCTAGTTCATTAATCCGACGCTGAGACATAGATGGCTCTTCAACAGCTGA	599	
QY	369	GCCGGCGATTATAGCCGCCACGGGTACGGAAACGGTTCCCGCCATGCCCATTCGGTTAA	428	
Db	600	ACCATCTGAATCGCCGCCACCGGAAACCGGAAACAATCCCGCGAAATTCACCTCTTTAAA	659	
QY	429	C 429		
Db	660	C 660		

RESULT 14
US-10-374-780A-219
; Sequence 219, Application US/10374780A
; Publication No. US20040019927A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, Bradley K
; APPLICANT: Kiechmann, Jose Luis
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Heard, Jacqueline E
; APPLICANT: Haake, Volker
; APPLICANT: Creelman, Robert A
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Adam, Luc J
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddle, James
; APPLICANT: Broun, Pierre E
; APPLICANT: Pilgrim, Marsha L
; APPLICANT: Dubell III, Arnold T
; APPLICANT: Pineda, Omaira
; APPLICANT: Yu, Guo-Liang
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
; FILE REFERENCE: MB1-0047 CIP
; CURRENT APPLICATION NUMBER: US/10/374,780A
; CURRENT FILING DATE: 2003-02-25

;; PRIOR APPLICATION NUMBER: 09/837,944
;; PRIOR FILING DATE: 2001-04-18
;; PRIOR APPLICATION NUMBER: 60/310,847
;; PRIOR FILING DATE: 2001-08-09
;; PRIOR APPLICATION NUMBER: 09/934,455
;; PRIOR FILING DATE: 2001-08-22
;; PRIOR APPLICATION NUMBER: 60/336,049
;; PRIOR FILING DATE: 2001-11-19
;; PRIOR APPLICATION NUMBER: 60/338,692
;; PRIOR FILING DATE: 2001-12-11
;; PRIOR APPLICATION NUMBER: 10/171,468
;; PRIOR FILING DATE: 2002-06-14
;; PRIOR APPLICATION NUMBER: 10/225,066
;; PRIOR FILING DATE: 2002-08-09
;; PRIOR APPLICATION NUMBER: 10/225,067
;; PRIOR FILING DATE: 2002-08-09
;; PRIOR APPLICATION NUMBER: 10/225,068
;; PRIOR FILING DATE: 2002-08-09
;; NUMBER OF SEQ ID NOS: 2906
;; SOFTWARE: PatentIn version 3.2
;; SEQ ID NO 219
;; LENGTH: 1728
;; TYPE: DNA
;; ORGANISM: Arabidopsis thaliana
;; FEATURE:
;; OTHER INFORMATION: G1064
US-10-374-780A-219

Query Match 12.0%; Score 129; DB 16; Length 1728;
Best Local Similarity 71.0%; Pred. No. 2.3e-33;
Matches 171; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

Qy 189 GTCTTCGACAGGACCCACCATTTGAGAGAGCTTCGACTAAAGACCGTTCACACGAGTTGA 248
Db 420 GCGAGCTAAAAGCACCCTGTTGAACGAGCGTTCGACGAAAGACCGACACACGAAAGTGA 479

Qy 249 AGGAAGAGGAGAGAGATACGGATGCTGTCACCGTGTGCGGTAGGATTTTCAATTAAC 308
Db 480 CGGAAGAGGAGGAGAAATAGGATGCGCGGTGTTATGTGACGTAGGGTTTTTCAGCTAAC 539

Qy 309 TCGAGAGTAGTTCACAAATCGGACGGGAAACGATTGCTGGTGTGTTGGAGAACGCTGA 368
Db 540 GCGAGAGCTAGTTCATAATCCGACGCTGAGACAAATAGAGTGGCTTCTTCAACAAGCTGA 599

Qy 369 GCGCGGATTTATAGCCGACCGGTACGGGACCGGTTCGCGCATCGGCATGTCGGTTAA 428
Db 600 ACCATCTGTAAATCGCGCCGACCGGAACCGGAACAAATCCGGCGAATTTCACTTCTTAA 659

Qy 429 C 429
Db 660 C 660

RESULT 15
US-10-374-780A-1390
; Sequence 1390, Application US/10374780A
; Publication No. US20040019927A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, Bradley K
; APPLICANT: Riemann, Jose Luis
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Heard, Jacqueline E
; APPLICANT: Haake, Volker
; APPLICANT: Creelman, Robert A
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Adam, Luc J
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddle, James
; APPLICANT: Brown, Pierre E
; APPLICANT: Pilgrim, Marsha L
; APPLICANT: Dubell III, Arnold T
; APPLICANT: Pineda, Omaira
; APPLICANT: Yu, Guo-Liang

;; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
;; FILE REFERENCE: MBI-0047 CIP
;; CURRENT APPLICATION NUMBER: US/10/374,780A
;; CURRENT FILING DATE: 2003-02-25
;; PRIOR APPLICATION NUMBER: 09/837,944
;; PRIOR FILING DATE: 2001-04-18
;; PRIOR APPLICATION NUMBER: 60/310,847
;; PRIOR FILING DATE: 2001-08-09
;; PRIOR APPLICATION NUMBER: 09/934,455
;; PRIOR FILING DATE: 2001-08-22
;; PRIOR APPLICATION NUMBER: 60/336,049
;; PRIOR FILING DATE: 2001-11-19
;; PRIOR APPLICATION NUMBER: 60/338,692
;; PRIOR FILING DATE: 2001-12-11
;; PRIOR APPLICATION NUMBER: 10/171,468
;; PRIOR FILING DATE: 2002-06-14
;; PRIOR APPLICATION NUMBER: 10/225,066
;; PRIOR FILING DATE: 2002-08-09
;; PRIOR APPLICATION NUMBER: 10/225,067
;; PRIOR FILING DATE: 2002-08-09
;; PRIOR APPLICATION NUMBER: 10/225,068
;; PRIOR FILING DATE: 2002-08-09
;; NUMBER OF SEQ ID NOS: 2906
;; SOFTWARE: PatentIn version 3.2
;; SEQ ID NO 1390
;; LENGTH: 671
;; TYPE: DNA
;; ORGANISM: Lycopersicon esculentum
;; FEATURE:
;; OTHER INFORMATION: Predicted polypeptide sequence is orthologous to G1064
US-10-374-780A-1390

Query Match 11.9%; Score 127.4; DB 16; Length 671;
Best Local Similarity 68.5%; Pred. No. 4.6e-33;
Matches 176; Conservative 0; Mismatches 81; Indels 0; Gaps 0;

Qy 182 CTCACCGCTTCGACAGGACCCACCATTTGAGAGAGCTTCGACTAAAGACCGTTCACACGA 241
Db 272 CTACTGAGACTGCTAAAAGCCGCTCCCAAGAGAACTTCCACTAAAGCCGCCACTA 331

Qy 242 AGGTTGAAGGAGAGGAGAGGATACGGATGCTGCTCCACCGTGTGCGGTAGGATTTTC 301
Db 332 AGGTTGATGCGCGTGGCAGACGTATACGTATGCGCGCCCTTTGTCTGCTAGGGTTTC 391

Qy 302 AATTAATCTGAGAGTTAGGTCAAAATCCGACGGGAAACGATTGCTGGTGTGTTGGAGA 361
Db 392 AGCTCACTCGAGAACTCGGTCAAAATCCGATGGTGAACCAATCGAATGGCTTCTTCAAC 451

Qy 362 ACGCTGACCGCGGATTATAGCGCCAGCGGTACGGGAACGGTTCGCCCATCGCATGT 421
Db 452 AAGCTGAACCTGCAGTTATAGCTACGGGAACAGGTACAAATCCGGGAATTTTCAGT 511

Qy 422 CGGTTAACGGAACCTTA 438
Db 512 CACTCAACATTTCAATTA 528

Search completed: August 7, 2004, 10:17:47
Job time : 514.895 secs

Result No.	Score	Query			ID	Description
		Match	Length	DB		
1	19	1.8	2556	4	US-09-489-039A-6112	Sequence 6112, Ap
2	19	1.8	34094	4	US-03-292-034-1	Sequence 1, Appli
3	18	1.7	1527	4	US-09-489-039A-716	Sequence 716, App
C 4	18	1.7	4261	4	US-09-976-594-3	Sequence 3, Appli
5	18	1.7	162450	4	US-09-345-882-1	Sequence 1, Appli
C 6	18	1.7	1664976	4	US-08-916-421B-1	Sequence 1, Appli
7	17	1.6	447	4	US-09-328-352-186	Sequence 186, App
8	17	1.6	516	1	US-08-510-878-2	Sequence 2, Appli
9	17	1.6	748	1	US-08-510-878-3	Sequence 3, Appli
10	17	1.6	864	4	US-09-976-594-1054	Sequence 1054, Ap
11	17	1.6	867	4	US-09-252-991A-6878	Sequence 6878, Ap
C 12	17	1.6	882	4	US-09-252-991A-6792	Sequence 6792, Ap
C 13	17	1.6	900	4	US-09-050-739-59	Sequence 59, Appl
14	17	1.6	1251	4	US-09-614-912-81	Sequence 81, Appl
C 15	17	1.6	1353	2	US-08-611-280-1	Sequence 1, Appli
C 16	17	1.6	1353	3	US-09-195-940-1	Sequence 1, Appli
C 17	17	1.6	1353	4	US-09-562-466-1	Sequence 1, Appli
18	17	1.6	1636	4	US-09-614-912-69	Sequence 69, Appl
19	17	1.6	1758	4	US-09-489-039A-3108	Sequence 3108, Ap
C 20	17	1.6	1758	4	US-09-553-867A-42	Sequence 42, Appl
C 21	17	1.6	2755	4	US-09-833-381-1426	Sequence 1426, Ap
22	17	1.6	3758	3	US-08-323-477-1	Sequence 1, Appli
C 23	17	1.6	12537	2	US-08-611-280-4	Sequence 4, Appli
C 24	17	1.6	12537	3	US-09-195-940-4	Sequence 4, Appli
C 25	17	1.6	12537	4	US-09-562-466-4	Sequence 4, Appli
26	17	1.6	1664976	4	US-08-916-421B-1	Sequence 1, Appli
27	17	1.6	4403765	3	US-09-103-840A-2	Sequence 2, Appli

```
Query Match      1.8%; Score 19; DB 4; Length 34094;
Best Local Similarity 100.0%; Pred. No. 4.8;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      850 AGCAGCGGCTTGTATCCG 868
Db      21527 AGCAGCGGCTTGTATCCG 21545

RESULT 3
US-09-489-039A-716
; Sequence 716, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 716
; LENGTH: 1527
; TYPE: DNA
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-716

Query Match      1.7%; Score 18; DB 4; Length 1527;
Best Local Similarity 100.0%; Pred. No. 17;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      143 AGCGGAGCGGTGATGC 160
Db      965 AGCGGAGCGGTGATGC 982

RESULT 4
US-09-976-594-3/c
; Sequence 3, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 3
; LENGTH: 4261
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; OTHER INFORMATION: Incyte ID No. 6673549 1863336CB1
US-09-976-594-3

Query Match      1.7%; Score 18; DB 4; Length 4261;
Best Local Similarity 100.0%; Pred. No. 16;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      603 AGCTCTGGCATCATCCAC 620
Db      3322 AGCTCTGGCATCATCCAC 3305

RESULT 5
US-09-345-882-1
```

```
; Sequence 1, Application US/09345882
; Patent No. 6399373
; GENERAL INFORMATION:
; APPLICANT: Bouqueleret, Lydie
; TITLE OF INVENTION: A NUCLEIC ACID ENCODING A RETINOBLASTOMA BINDING PROTEIN (RBP-7)
; FILE REFERENCE: GENSET.031A
; CURRENT APPLICATION NUMBER: US/09/345,882
; CURRENT FILING DATE: 1999-06-30
; PRIOR APPLICATION NUMBER: US 60/091,315
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/111,909
; PRIOR FILING DATE: 1998-12-10
; NUMBER OF SEQ ID NOS: 140
; SOFTWARE: Patent.pm
; SEQ ID NO 1
; LENGTH: 162450
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 72794
; OTHER INFORMATION: 5-124-273 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 88073
; OTHER INFORMATION: 5-127-261 : polymorphic base A or C
; FEATURE:
; NAME/KEY: allele
; LOCATION: 90842
; OTHER INFORMATION: 99-1437-325 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 93714
; OTHER INFORMATION: 5-128-60 : polymorphic base deletion of GT
; FEATURE:
; NAME/KEY: allele
; LOCATION: 97122
; OTHER INFORMATION: 99-1442-224 : polymorphic base G or T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 97152
; OTHER INFORMATION: 5-129-144 : polymorphic base deletion of T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99098
; OTHER INFORMATION: 5-130-257 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 99117
; OTHER INFORMATION: 5-130-276 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
; LOCATION: 103806
; OTHER INFORMATION: 5-131-395 : polymorphic base A or T
; FEATURE:
; NAME/KEY: allele
; LOCATION: 106940
; OTHER INFORMATION: 5-133-375 : polymorphic base insertion of A
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108106
; OTHER INFORMATION: 5-135-155 : polymorphic base insertion of A
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108149
; OTHER INFORMATION: 5-135-198 : polymorphic base insertion of GTT
; FEATURE:
; NAME/KEY: allele
; LOCATION: 108308
; OTHER INFORMATION: 5-135-357 : polymorphic base A or G
; FEATURE:
; NAME/KEY: allele
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LOCATION: 108471
OTHER INFORMATION: 5-136-174 : polymorphic base C or T
FEATURE:
NAME/KEY: allele
LOCATION: 134134
OTHER INFORMATION: 5-140-120 : polymorphic base C or T
FEATURE:
NAME/KEY: allele
LOCATION: 134362
OTHER INFORMATION: 5-140-348 : polymorphic base insertion of A
FEATURE:
NAME/KEY: allele
LOCATION: 134374
OTHER INFORMATION: 5-140-361 : polymorphic base insertion of CA
FEATURE:
NAME/KEY: allele
LOCATION: 146328
OTHER INFORMATION: 5-143-84 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 146345
OTHER INFORMATION: 5-143-101 : polymorphic base A or C
FEATURE:
NAME/KEY: allele
LOCATION: 150329
OTHER INFORMATION: 5-145-24 : polymorphic base A or G
FEATURE:
NAME/KEY: allele
LOCATION: 160031
OTHER INFORMATION: 5-148-352 : polymorphic base G or T
FEATURE:
LOCATION: 72771..72817
OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID30
FEATURE:
NAME/KEY: allele
LOCATION: 72771..72817
OTHER INFORMATION: polymorphic fragment 5-124-273 SEQ ID51
FEATURE:
NAME/KEY: allele
LOCATION: 88050..88096
OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID31
FEATURE:
NAME/KEY: allele
LOCATION: 88050..88096
OTHER INFORMATION: polymorphic fragment 5-127-261 SEQ ID52
FEATURE:
NAME/KEY: allele
LOCATION: 90819..90865
OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID49
FEATURE:
NAME/KEY: allele
LOCATION: 90819..90865
OTHER INFORMATION: complement polymorphic fragment 99-1437-325 SEQ ID70
FEATURE:
NAME/KEY: allele
LOCATION: 93690..93736
OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID32
FEATURE:
NAME/KEY: allele
LOCATION: 93690..93736
OTHER INFORMATION: polymorphic fragment 5-128-60 SEQ ID53
FEATURE:
NAME/KEY: allele
LOCATION: 97099..97145
OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID50
FEATURE:
NAME/KEY: allele
LOCATION: 97099..97145
OTHER INFORMATION: polymorphic fragment 99-1442-224 SEQ ID71
FEATURE:
NAME/KEY: allele
LOCATION: 97130..97177
```

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OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID33
FEATURE:
NAME/KEY: allele
LOCATION: 97130..97177
OTHER INFORMATION: polymorphic fragment 5-129-144 SEQ ID54
FEATURE:
NAME/KEY: allele
LOCATION: 99075..99121
OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID34
FEATURE:
NAME/KEY: allele
LOCATION: 99075..99121
OTHER INFORMATION: polymorphic fragment 5-130-257 SEQ ID55
FEATURE:
NAME/KEY: allele
LOCATION: 99094..99140
OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID35
FEATURE:
NAME/KEY: allele
LOCATION: 99094..99140
OTHER INFORMATION: polymorphic fragment 5-130-276 SEQ ID56
FEATURE:
NAME/KEY: allele
LOCATION: 103783..103828
OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID36
FEATURE:
NAME/KEY: allele
LOCATION: 103783..103828
OTHER INFORMATION: polymorphic fragment 5-131-395 SEQ ID57
FEATURE:
NAME/KEY: allele
LOCATION: 106918..106966
OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID37
FEATURE:
NAME/KEY: allele
LOCATION: 106918..106966
OTHER INFORMATION: polymorphic fragment 5-133-375 SEQ ID58
FEATURE:
NAME/KEY: allele
LOCATION: 108084..108130
OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID38
FEATURE:
NAME/KEY: allele
LOCATION: 108084..108130
OTHER INFORMATION: polymorphic fragment 5-135-155 SEQ ID59
FEATURE:
NAME/KEY: allele
LOCATION: 108127..108177
OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID39
FEATURE:
NAME/KEY: allele
LOCATION: 108127..108177
OTHER INFORMATION: polymorphic fragment 5-135-198 SEQ ID60
FEATURE:
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```
Query Match          1.7%; Score 18; DB 4; Length 162450;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
Qy      695 TCGGAGCTTTCTTCTTGA 712
          |||||
Db      35413 TCGGAGCTTTCTTCTTGA 35430
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```
RESULT 6
US-08-916-421B-1/c
; Sequence 1, Application US/08916421B
; Patent No. 6503729
; GENERAL INFORMATION:
; APPLICANT: Bult et al.
; TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methanococcus
; Patent No. 6503729
; TITLE OF INVENTION: jannaschii
```

```
FILE REFERENCE: PB275
CURRENT APPLICATION NUMBER: US/08/916,421B
CURRENT FILING DATE: 1997-08-22
PRIOR APPLICATION NUMBER: US 60/024,428
PRIOR FILING DATE: 1996-08-22
NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 1664976
TYPE: DNA
ORGANISM: Methanococcus jannaschii
FEATURE:
NAME/KEY: misc feature
LOCATION: (28222)..(28222)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (28257)..(28258)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (84773)..(84773)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (84808)..(84808)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (84812)..(84812)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (98120)..(98120)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (98159)..(98159)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (98239)..(98239)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (98266)..(98266)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (98343)..(98343)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (103998)..(103998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (148948)..(148948)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (163385)..(163385)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (191989)..(191989)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (191995)..(191995)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (231980)..(231980)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (234187)..(234187)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (234220)..(234220)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (234814)..(234814)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (309398)..(309398)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1349473)..(1349473)
NAME/KEY: misc feature
LOCATION: (309418)..(309418)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (312837)..(312837)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (312993)..(312993)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (319226)..(319226)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (559167)..(559167)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (559241)..(559241)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (600992)..(600992)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (622708)..(622708)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (657081)..(657081)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (657203)..(657203)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (674435)..(674435)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (682442)..(682442)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (713652)..(713652)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (741684)..(741684)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (779455)..(779455)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (779676)..(779676)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (855539)..(855539)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (871619)..(871619)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1084830)..(1084830)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1096846)..(1096846)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1119881)..(1119881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1130881)..(1130881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1310988)..(1310988)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1313224)..(1313224)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc feature
LOCATION: (1349473)..(1349473)
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; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1349491)..(1349491)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1470091)..(1470091)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1569020)..(1569020)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1602912)..(1602912)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1603734)..(1603734)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1637998)..(1637998)
; OTHER INFORMATION: n equals a, t, c, or g
; NAME/KEY: misc_feature
; LOCATION: (1664854)..(1664855)
; OTHER INFORMATION: n equals a, t, c, or g
US-09-916-421B-1

Query Match 1.7%; Score 18; DB 4; Length 1664976;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 170 CAATGCTTTAGTCCAC 187
|||||

DB 1522815 CAATGCTTTAGTCCAC 1522798
|||||

RESULT 7

US-09-328-352-186
; Sequence 186, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:

; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; FILE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 186
; LENGTH: 447
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-186

Query Match 1.6%; Score 17; DB 4; Length 447;
Best Local Similarity 100.0%; Pred. No. 56;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 951 TTCATCGTCAATTGCAA 967
|||||

DB 326 TTCATCGTCAATTGCAA 342
|||||

RESULT 8

US-08-510-878-2
; Sequence 2, Application US/08510878
; Patent No. 5776771
; GENERAL INFORMATION:

; APPLICANT: Yu, Fujio
; TITLE OF INVENTION: A KANAMYCIN RESISTANCE GENE DERIVED FROM
; FILE OF INVENTION: MICROORGANISMS OF THE GENUS RHODOCOCCUS
; CURRENT APPLICATION NUMBER: 3
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 186
; LENGTH: 447
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-08-510-878-2

; CITY: Falls Church
; STATE: VA
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/510,878
; FILING DATE: 03-AUG-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Weiner, Marc S
; REGISTRATION NUMBER: 32,181
; REFERENCE/DOCKET NUMBER: 1254-121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 516 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-510-878-2

Query Match 1.6%; Score 17; DB 1; Length 516;
Best Local Similarity 100.0%; Pred. No. 56;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 439 AAAATCCCGACGACGAC 455
|||||

DB 120 AAAATCCCGACGACGAC 136
|||||

RESULT 9

US-08-510-878-3
; Sequence 3, Application US/08510878
; Patent No. 5776771
; GENERAL INFORMATION:

; APPLICANT: Yu, Fujio
; APPLICANT: Kato, Mami
; TITLE OF INVENTION: A KANAMYCIN RESISTANCE GENE DERIVED FROM
; FILE OF INVENTION: MICROORGANISMS OF THE GENUS RHODOCOCCUS
; CURRENT APPLICATION NUMBER: 3
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 186
; LENGTH: 447
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-08-510-878-3

; CITY: Falls Church
; STATE: VA
; COUNTRY: USA
; ZIP: 22040-0747
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/510,878
; FILING DATE: 03-AUG-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Weiner, Marc S
; REGISTRATION NUMBER: 32,181
; REFERENCE/DOCKET NUMBER: 1254-121
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 205-8000
; TELEFAX: (703) 205-8050

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; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
;   LENGTH: 748 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
;   MOLECULE TYPE: DNA (genomic)
;   HYPOTHETICAL: NO
;   ANTI-SENSE: NO
;   US-08-510-878-3
;
; Query Match      1.6%; Score 17; DB 1; Length 748;
; Best Local Similarity 100.0%; Pred. No. 56;
; Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 439 AAAATCCGAGCAGCAGC 455
; Db 284 AAAATCCGAGCAGCAGC 300
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; RESULT 10
; US-09-976-594-1054
; Sequence 1054, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 1054
; LENGTH: 864
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 246727.11
; NAME/KEY: unsure
; LOCATION: 847, 856
; OTHER INFORMATION: a, t, c, g, or other
; US-09-976-594-1054
;
; Query Match      1.6%; Score 17; DB 4; Length 864;
; Best Local Similarity 100.0%; Pred. No. 56;
; Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 250 GGAAGAGGAGGAGGAT 266
; Db 166 GGAAGAGGAGGAGGAT 182
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; RESULT 11
; US-09-252-991A-6878
; Sequence 6878, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 6878
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; US-09-938-842a-1034.oligo.rni
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; LENGTH: 867
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-6878
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; Query Match      1.6%; Score 17; DB 4; Length 867;
; Best Local Similarity 100.0%; Pred. No. 56;
; Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; QY 371 CGGCGATTATAGCGCC 387
; Db 50 CGGCGATTATAGCGCC 66
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; RESULT 12
; US-09-252-991A-6792/c
; Sequence 6792, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Maic J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 6792
; LENGTH: 882
; TYPE: DNA
; ORGANISM: Pseudomonas aeruginosa
; US-09-252-991A-6792
;
; Query Match      1.6%; Score 17; DB 4; Length 882;
; Best Local Similarity 100.0%; Pred. No. 56;
; Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; QY 371 CGGCGATTATAGCGCC 387
; Db 82 CGGCGATTATAGCGCC 66
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; RESULT 13
; US-09-050-739-59/c
; Sequence 59, Application US/09050739
; Patent No. 6641814
; GENERAL INFORMATION:
; APPLICANT: ANDERSEN, Peter
; APPLICANT: NIELSEN, Rikke
; APPLICANT: OTTINGER, Thomas
; APPLICANT: RASMUSSEN, Peter Birk
; APPLICANT: ROSENKRANDS, Ida
; APPLICANT: WELDINGH, Karin
; APPLICANT: FLORIO, Walter
; TITLE OF INVENTION: NUCLEIC ACIDS FRAGMENTS AND POLYPEPTIDE FRAGMENTS
; FILE REFERENCE: 670001-2002.1
; CURRENT APPLICATION NUMBER: US/09/050,739
; CURRENT FILING DATE: 1998-03-30
; EARLIER APPLICATION NUMBER: 0376/97
; EARLIER FILING DATE: 1997-04-02
; EARLIER APPLICATION NUMBER: 1277/97
; EARLIER FILING DATE: 1997-11-10
; EARLIER APPLICATION NUMBER: 60/044,624
; EARLIER FILING DATE: 1997-04-18
; EARLIER APPLICATION NUMBER: 60/070,488
; EARLIER FILING DATE: 1998-01-05
; NUMBER OF SEQ ID NOS: 173
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 59
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; LENGTH: 900
; TYPE: DNA
; ORGANISM: Mycobacterium tuberculosis
US-09-050-739-59

Query Match      1.6%; Score 17; DB 4; Length 900;
Best Local Similarity 100.0%; Pred. No. 56;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 144 GCGGAGCCGGTGATGC 160
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Db 752 GCGGAGCCGGTGATGC 736

RESULT 14
US-09-614-912-81
; Sequence 81, Application US/09614912
; Patent No. 6677502
; GENERAL INFORMATION:
; APPLICANT: Allen, Steve
; APPLICANT: Rafalski, Antoni
; APPLICANT: Orozco, Buddy
; APPLICANT: Miao, Gou-Hau
; APPLICANT: Ramodu, Omelayo O.
; APPLICANT: Lee, Jian Ming
; APPLICANT: Sakai, Hajime
; APPLICANT: Weng, Zude
; APPLICANT: Caimi, Perry G
; APPLICANT: Anderson, Shawn
; TITLE OF INVENTION: Plant Metabolism Genes
; FILE REFERENCE: BB1378 US NA
; CURRENT APPLICATION NUMBER: US/09/614,912
; CURRENT FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: 60/143,401
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/143,412
; PRIOR FILING DATE: 1999-07-12
; PRIOR APPLICATION NUMBER: 60/146,650
; PRIOR FILING DATE: 1999-07-30
; PRIOR APPLICATION NUMBER: 60/170,906
; PRIOR FILING DATE: 1999-12-15
; PRIOR APPLICATION NUMBER: 60/172,959
; PRIOR FILING DATE: 1999-12-21
; PRIOR APPLICATION NUMBER: 60/172,946
; PRIOR FILING DATE: 1999-12-21
; NUMBER OF SEQ ID NOS: 204
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 81
; LENGTH: 1251
; TYPE: DNA
; ORGANISM: Oryza sativa
US-09-614-912-81

Query Match      1.6%; Score 17; DB 4; Length 1251;
Best Local Similarity 100.0%; Pred. No. 55;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 247 GAAGGAGAGGGGAGAG 263
    |||||
Db 433 GAAGGAGAGGGGAGAG 449

RESULT 15
US-08-611-280-1/c
; Sequence 1, Application US/08611280
; Patent No. 5891666
; GENERAL INFORMATION:
; APPLICANT: Matsuyama, Toshifumi
; APPLICANT: Grossman, Alex
; APPLICANT: Richardson, Christopher D.
; TITLE OF INVENTION: NOVEL GENES ENCODING LSIRF POLYPEPTIDES
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:

```

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; ADDRESSEE: Amgen Canada Inc.
; STREET: 6733 Mississauga Road, Suite 303
; CITY: Mississauga
; STATE: Ontario
; COUNTRY: Canada
; ZIP: L5N 6J8
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/611,280
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Oleski, Nancy A.
; REGISTRATION NUMBER: 34,688
; REFERENCE/DOCKET NUMBER: A-338A
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1353 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-611-280-1

Query Match      1.6%; Score 17; DB 2; Length 1353;
Best Local Similarity 100.0%; Pred. No. 55;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 622 GTGGCTCAGCAACTTCT 638
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Db 930 GTGGCTCAGCAACTTCT 914

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Job time : 92.6245 secs

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OM nucleic - nucleic search, using sw model

Run on: August 7, 2004, 09:55:58 ; Search time 513.675 Seconds
(without alignments)

10222.935 Million cell updates/sec

Title: US-09-938-842A-1034

Perfect score: 1071

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Gapop 60.0 , Gapext 60.0

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Post-processing: Listing first 45 summaries

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- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq.*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq.*
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- 9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq.*
- 14: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq.*
- 15: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq.*
- 16: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq.*
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- 18: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq.*
- 19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1071	100.0	1071	9 US-09-938-842A-1034	Sequence 1034, Ap
2	1071	100.0	1071	11 US-09-938-842A-1034	Sequence 1034, Ap
C 3	289	27.0	460	9 US-09-924-035A-502	Sequence 502, App
C 4	286	26.7	453	9 US-09-770-444-615	Sequence 615, App
5	185	17.3	185	9 US-09-770-696-257	Sequence 257, App
6	25	2.3	704	13 US-10-225-066A-1049	Sequence 1049, Ap
7	25	2.3	704	16 US-10-374-780A-2689	Sequence 2689, Ap
8	23	2.1	390	12 US-09-732-627A-4287	Sequence 4287, Ap
9	23	2.1	587	17 US-10-021-323-15482	Sequence 15482, A
10	23	2.1	1604	13 US-10-412-699B-551	Sequence 551, App
11	23	2.1	1604	15 US-10-295-403-147	Sequence 147, App
12	20	1.9	442	13 US-10-424-599-59834	Sequence 59834, A
C 13	20	1.9	453	13 US-10-276-774-292	Sequence 292, App
C 14	20	1.9	1263	16 US-10-369-493-37704	Sequence 37704, A

C 15	20	1.9	1756	13 US-10-424-599-93501	Sequence 93501, A
C 16	20	1.9	94810	12 US-10-052-482-22	Sequence 22, Appl
C 17	20	1.9	125534	13 US-10-087-192-1678	Sequence 1678, Ap
18	19	1.8	926	13 US-10-425-114-2989	Sequence 2989, Ap
19	19	1.8	1065	13 US-10-425-114-3219	Sequence 3219, Ap
20	19	1.8	1081	13 US-10-425-114-15522	Sequence 15522, A
21	19	1.8	1116	13 US-10-425-114-15510	Sequence 15510, A
22	19	1.8	1176	13 US-10-425-114-14614	Sequence 14614, A
23	19	1.8	2727	17 US-10-437-963-39921	Sequence 39921, A
24	19	1.8	4459	17 US-10-437-963-53427	Sequence 53427, A
25	19	1.8	34094	10 US-09-963-038A-1	Sequence 1, Appli
26	19	1.8	34094	15 US-10-199-550-1	Sequence 1, Appli
27	19	1.8	34094	15 US-10-245-603A-1	Sequence 1, Appli
C 28	19	1.8	62647	17 US-10-322-281-274	Sequence 274, Appl
C 29	19	1.8	148815	13 US-10-087-192-1873	Sequence 4716, Ap
C 30	18	1.7	223	17 US-10-437-963-61567	Sequence 61567, A
C 31	18	1.7	277	9 US-09-294-093B-4716	Sequence 4716, Ap
C 32	18	1.7	364	10 US-09-918-995-30316	Sequence 30316, A
C 33	18	1.7	377	10 US-09-918-995-34549	Sequence 34549, A
C 34	18	1.7	417	12 US-09-987-899-6794	Sequence 6794, Ap
C 35	18	1.7	424	9 US-09-777-564-1604	Sequence 1604, Ap
C 36	18	1.7	424	15 US-10-015-219-1604	Sequence 1604, Ap
C 37	18	1.7	432	9 US-09-983-965-5485	Sequence 5485, Ap
C 38	18	1.7	475	9 US-09-770-444-64	Sequence 64, Appl
C 39	18	1.7	572	13 US-10-027-632-216038	Sequence 216038, A
C 40	18	1.7	572	16 US-10-027-632-216038	Sequence 216038, A
C 41	18	1.7	626	9 US-09-770-149-739	Sequence 739, App
C 42	18	1.7	892	13 US-10-282-122A-23563	Sequence 23563, A
C 43	18	1.7	1119	16 US-10-369-493-32488	Sequence 32488, A
C 44	18	1.7	1487	16 US-10-062-674-1944	Sequence 1944, Ap
C 45	18	1.7	1611	13 US-10-425-114-26371	Sequence 26371, A

ALIGNMENTS

RESULT 1
US-09-938-842A-1034
; Sequence 1034, Application US/09938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SAME, AND METHODS OF USE
; CURRENT APPLICATION NUMBER: SCRIPI300-3
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 1034
; LENGTH: 1071
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-1034

Query Match 100.0%; Score 1071; DB 9; Length 1071;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1071; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 ATGCGCAATTCAGAGCTTCGAGAACTTCAGCAAGATCAAACTCTAAGACCGCTT 60
QY 61 GATCTAACCATCATCAACGGCGTTCAGAAACCTCGAAACTTCAGACCTTCCAGTAAT 120

Db 61 GATCTAACCATCATACACGGCTCAGAAACGTCGAACTTCAAGACCTTTCCAGTAAT 120
QY 121 CCACAGTGTAGTCTGAGGCCCAAGCGCGGATGATCGGTGCTTTTCAATGTCTTTA 180
Db 121 CCACAGTGTAGTCTGAGGCCCAAGCGCGGATGATCGGTGCTTTTCAATGTCTTTA 180
QY 181 GCTCCACCGTCTTCGACAGGACCACTTGAAGAGAGCTTCGATTAAGACCGTCACAG 240
Db 181 GCTCCACCGTCTTCGACAGGACCACTTGAAGAGAGCTTCGATTAAGACCGTCACAG 240
QY 241 AAGGTTCAAGAGAGGAGAGATACGGATGCTGCCAGCTGTGGCGGTAGGATTTT 300
Db 241 AAGGTTCAAGAGAGGAGAGATACGGATGCTGCCAGCTGTGGCGGTAGGATTTT 300
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Db 301 CAATTAATCTGAGAGTTAGGTCAAAATCCGACGGCGAAACGATTCGGTGTCTGGAG 360
QY 361 AACGCTGAGCGCGGATTTATAGCCGCAACGGGTACGGAAACGTTCCCGCATCGCCATG 420
Db 361 AACGCTGAGCGCGGATTTATAGCCGCAACGGGTACGGAAACGTTCCCGCATCGCCATG 420
QY 421 TCGGTTAACGGAACCTTTAAATAATCCGACGACGACGAAACGCTGATTCGATGGGTGAA 480
Db 421 TCGGTTAACGGAACCTTTAAATAATCCGACGACGACGAAACGCTGATTCGATGGGTGAA 480
QY 481 AATCTGATGAAGAAGAAACGTAACGACCTTTTAAACAGTGTATATAGACATAGCGAC 540
Db 481 AATCTGATGAAGAAGAAACGTAACGACCTTTTAAACAGTGTATATAGACATAGCGAC 540
QY 541 GCGGTTTCAGCTTCTCCGGTTTGTAGTCCATTTGCCAGGACGACCAACGATCCAACTCCG 600
Db 541 GCGGTTTCAGCTTCTCCGGTTTGTAGTCCATTTGCCAGGACGACCAACGATCCAACTCCG 600
QY 601 CAAGCTCTGGCATCATCCACTGTGGCTCAGCAACTTCTGCCGCAAGGAATGTATCCGATG 660
Db 601 CAAGCTCTGGCATCATCCACTGTGGCTCAGCAACTTCTGCCGCAAGGAATGTATCCGATG 660
QY 721 ATCGGTGTTCGCTCGAATCAGCTTATAGCTTTTCCCGCGCGCTGCTTCGCGG 780
Db 721 ATCGGTGTTCGCTCGAATCAGCTTATAGCTTTTCCCGCGCGCTGCTTCGCGG 780
QY 781 TCGTCTTACGTCGCGCTGTTCAACAGGCTTCCAGATGGCTTAGACCACTCTTTTACAA 840
Db 781 TCGTCTTACGTCGCGCTGTTCAACAGGCTTCCAGATGGCTTAGACCACTCTTTTACAA 840
QY 841 GTTGTTCGACGAGCGGCTTTGATCCGTTTCAGAGCTTAGCGTTTCGAATTTATCAAG 900
Db 841 GTTGTTCGACGAGCGGCTTTGATCCGTTTCAGAGCTTAGCGTTTCGAATTTATCAAG 900
QY 901 GCGAGCTCGGTTATGGCTCCGAGCTCAAGCTCAGGCGTTAAACCGGTAGTTTCATGTC 960
Db 901 GCGAGCTCGGTTATGGCTCCGAGCTCAAGCTCAGGCGTTAAACCGGTAGTTTCATGTC 960
QY 961 ATTGCAACAAACGACGCAACGCTGAGAGCTTCTCCCTAGAGATATACGAGAACA 1020
Db 961 ATTGCAACAAACGACGCAACGCTGAGAGCTTCTCCCTAGAGATATACGAGAACA 1020
QY 1021 GAGCTTCCAGCTTATAGACCAACGACGCTGATCGAACCACTGA 1071
Db 1021 GAGCTTCCAGCTTATAGACCAACGACGCTGATCGAACCACTGA 1071

RESULT 2

US-09-938-842a-1034

; Sequence 1034, Application US/09938842a

; Publication No. US20040009476a9

; GENERAL INFORMATION:

; APPLICANT: Harper, Jeff

; APPLICANT: Krepes, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; TITLE OF INVENTION: SAME, AND METHODS OF USE
; FILE REFERENCE: SCRIPI300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 1034
; LENGTH: 1071
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; US-09-938-842A-1034

Query Match 100.0%; Score 1071; DB 11; Length 1071;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1071; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGCGCAATTCAGAGCTTTGAAGAGTTCCAGGCAAGATCAAACTCTAAGAGCCGTT 60
Db 1 ATGCGCAATTCAGAGCTTTGAAGAGTTCCAGGCAAGATCAAACTCTAAGAGCCGTT 60
QY 61 GATCTAACCATCATACACGGCTCAGAAACGTCGAACTTCAAGACCTTTCCAGTAAT 120
Db 61 GATCTAACCATCATACACGGCTCAGAAACGTCGAACTTCAAGACCTTTCCAGTAAT 120
QY 121 CCCACAGTGTCTCGAGCCCAAGCGGAGCGGTGATCGCGTCTGTTTCAATGCTTTA 180
Db 121 CCCACAGTGTCTCGAGCCCAAGCGGAGCGGTGATCGCGTCTGTTTCAATGCTTTA 180
QY 181 GCTCCACCGTCTTCGACAGGACCACTTGAAGAGAGCTTCGATTAAGACCGTCACAG 240
Db 181 GCTCCACCGTCTTCGACAGGACCACTTGAAGAGAGCTTCGATTAAGACCGTCACAG 240
QY 241 AAGGTTGAAGAGAGGAGAGATACGGATGCTCCAGCTGTCGCGCTAGGATTTT 300
Db 241 AAGGTTGAAGAGAGGAGAGATACGGATGCTCCAGCTGTCGCGCTAGGATTTT 300
QY 301 CAATTAATCTCGAGAGTTAGGTCAAAATCCGACGGCGAAACGATTCGGTGTGTTGAG 360
Db 301 CAATTAATCTCGAGAGTTAGGTCAAAATCCGACGGCGAAACGATTCGGTGTGTTGAG 360
QY 361 AACGCTGAGCGCGGATTTATAGCCGCAACGGGTACGGAAACGTTCCCGCATCGCCATG 420
Db 361 AACGCTGAGCGCGGATTTATAGCCGCAACGGGTACGGAAACGTTCCCGCATCGCCATG 420
QY 421 TCGGTTAACGGAACCTTTAAATAATCCGACGACGACGAAACGATTCGAATGGGTGAA 480
Db 421 TCGGTTAACGGAACCTTTAAATAATCCGACGACGACGAAACGATTCGAATGGGTGAA 480
QY 481 AATCTGATGAAGAAGAAACGTAACGACCTTTTAAACAGTGTATATAGACATAGCGAC 540
Db 481 AATCTGATGAAGAAGAAACGTAACGACCTTTTAAACAGTGTATATAGACATAGCGAC 540
QY 541 GCGGTTTCAGCTTCTCCGGTTTGTAGTCCATTTGCCAGGACGACCAACGATCCAACTCCG 600
Db 541 GCGGTTTCAGCTTCTCCGGTTTGTAGTCCATTTGCCAGGACGACCAACGATCCAACTCCG 600
QY 601 CAAGCTCTGGCATCATCCACTGTGGCTCAGCAACTTCTGCCGCAAGGAATGTATCCGATG 660
Db 601 CAAGCTCTGGCATCATCCACTGTGGCTCAGCAACTTCTGCCGCAAGGAATGTATCCGATG 660
QY 661 TGGGCTATTCCATCAAAACGCAATGATTCGAGCTTTCGAGCTTCTTGTGATTCACAA 720
Db 661 TGGGCTATTCCATCAAAACGCAATGATTCGAGCTTTCGAGCTTCTTGTGATTCACAA 720

QY 721 ATGCTGCTCCGTCGATCAGCTCAGTTATATAGCTTTTCCCGCCGCGCTGCTTCGCCG 780
Db 721 ATGCTGCTCCGTCGATCAGCTCAGTTATATAGCTTTTCCCGCCGCGCTGCTTCGCCG 780
QY 781 TCGTCTTACGTCGCCGCTGTTCAACAGGCTTCCACGATGCTAGACCACTCCTTTACAA 840
Db 781 TCGTCTTACGTCGCCGCTGTTCAACAGGCTTCCACGATGCTAGACCACTCCTTTACAA 840
QY 841 GTTGTTCGAAGCAGCGGCTTTGTATCCGTTTTCAGAGCTTAGCGGTTTCGAATTTATCAAG 900
Db 841 GTTGTTCGAAGCAGCGGCTTTGTATCCGTTTTCAGAGCTTAGCGGTTTCGAATTTATCAAG 900
QY 901 GCGAGCTCGGTTATGCTCGAGCTCAAGCTCAGCGGTAAACCGGTAGTTCATCGTCA 960
Db 901 GCGAGCTCGGTTATGCTCGAGCTCAAGCTCAGCGGTAAACCGGTAGTTCATCGTCA 960
QY 961 ATTGCAACCAACAGCAGCAGCTGAGAGACTTCTCCCTAGAGATATACGAGAACA 1020
Db 961 ATTGCAACCAACAGCAGCAGCTGAGAGACTTCTCCCTAGAGATATACGAGAACA 1020
QY 1021 GAGCTTACAGCTTCATGAGCACCACACAGCAGCGTCAACCACTGA 1071
Db 1021 GAGCTTACAGCTTCATGAGCACCACACAGCAGCGTCAACCACTGA 1071

RESULT 3

US-09-924-035A-502/c
; Sequence 502, Application US/09924035A
; Patent No. US20020142319A1
; GENERAL INFORMATION:
; APPLICANT: Grlach, Jrn
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
; FILE REFERENCE: 2011US
; CURRENT APPLICATION NUMBER: US/09/924,035A
; PRIOR FILING DATE: 2000-08-11
; PRIOR APPLICATION NUMBER: US 60/148,784
; PRIOR FILING DATE: 1999-08-13
; NUMBER OF SEQ ID NOS: 900
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 502
; LENGTH: 460
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(460)
; OTHER INFORMATION: n = A,T,C or G
US-09-924-035A-502

Query Match 27.0%; Score 289; DB 9; Length 460;
Best Local Similarity 99.6%; Pred. No. 3.1e-147;
Matches 459; Conservative 0; Mismatches 1; Indels 1; Gaps 1;
QY 600 GCAAGCTCTGCATCATCCATCTGGCTCAGCACTTCTGCGGAGGAATGTATCCGAT 659
Db 460 GCAAGCTCTGCATCATCCATCTGGCTCAGCACTTCTGCGGAGGAATGTATCCGAT 401
QY 660 GTGGGCTATTCCATCAACGCAATGATTCGACGCTGAGCTTCTTCTTGATTCACA 719
Db 400 GTGGGCTATTCCATCAACGCAATGATTCGACGCTGAGCTTCTTCTTGATTCACA 341
QY 720 AATCGTGGTCCGTCGAATCAGCTCAGTTATAGCTTTTCCCGCGCGCTGCTTCGCC 779
Db 340 AATCGTGGTCCGTCGAATCAGCTCAGTTATAGCTTTTCCCGCGCGCGNG-ITCGCC 282
QY 780 GTGCTCTACGTCGCCGCTGTTCAACAGGCTTCCAGATGCTAGACCACTCCTTTACA 839
Db 281 GTGCTCTACGTCGCCGCTGTTCAACAGGCTTCCAGATGCTAGACCACTCCTTTACA 222
QY 840 AGTTGTTCCAGCAGCGCTTTGTATCCGTTTTCAGAGCTTAGCGGTTTCGAATTTATCAAG 899
Db 221 AGTTGTTCCAGCAGCGCTTTGTATCCGTTTTCAGAGCTTAGCGGTTTCGAATTTATCAAG 162

QY 900 AGCGAGCTCGGTTATGGCTCCGAGCTCAAGCTCAGCGGTAAACACCGGTAGTTATCGTC 959
Db 161 AGCGAGCTCGGTTATGGCTCCGAGCTCAAGCTCAGCGGTAAACACCGGTAGTTATCGTC 102
QY 960 AATTGCAACCAACAGCAGCAGCTGAGAGACTTCTCCCTAGAGATATACGAGAACA 1019
Db 101 AATTGCAACCAACAGCAGCAGCTGAGAGACTTCTCCCTAGAGATATACGAGAACA 42
QY 1020 AGAGCTTCCAGGTTTCATGAGCACCACCAACAGCAGCGTTCAT 1060
Db 41 AGAGCTTCCAGGTTTCATGAGCACCACCAACAGCAGCGTTCAT 1

RESULT 4

US-09-770-444-615/c
; Sequence 615, Application US/09770444
; Patent No. US20020023280A1
; GENERAL INFORMATION:
; APPLICANT: Grolach, Jörn
; APPLICANT: An, Yong-Qiang
; APPLICANT: Hamilton, Carol M.
; APPLICANT: Price, Jennifer L.
; APPLICANT: Raines, Tracy M.
; APPLICANT: Yu, Yang
; APPLICANT: Rameaka, Joshua G.
; APPLICANT: Page, Amy
; APPLICANT: Matthew, Abraham V.
; APPLICANT: Ledford, Brooke L.
; APPLICANT: Woessner, Jeffrey P.
; APPLICANT: Haas, William David
; APPLICANT: Garcia, Carlos A.
; APPLICANT: Kriker, Maja
; APPLICANT: Slader, Ted
; APPLICANT: Davis, Keith R.
; APPLICANT: Allen, Keith
; APPLICANT: Hoffman, Neil
; APPLICANT: Hurban, Patrick
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
; FILE REFERENCE: 2027 (PARA-016PRV)
; CURRENT APPLICATION NUMBER: US/09/770,444
; CURRENT FILING DATE: 2001-01-26
; PRIOR APPLICATION NUMBER: 60/178,502
; PRIOR FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 999
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 615
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(453)
; OTHER INFORMATION: n = A,T,C or G
US-09-770-444-615

Query Match 26.7%; Score 286; DB 9; Length 453;
Best Local Similarity 100.0%; Pred. No. 1.4e-145;
Matches 286; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 775 TCGCGCTCGTCTTACGTCGCGCTTTCACAGGCTTCCAGATGGGTAGACCACTTCCT 834
Db 286 TCGCGCTCGTCTTACGTCGCGCTTTCACAGGCTTCCAGATGGGTAGACCACTTCCT 227
QY 835 TTACAAGTTGTTCACAGCAGCGGCTTTGTATCCGTTTTCAGAGCTTAGCGGTTCCGAATTA 894
Db 226 TTACAAGTTGTTCACAGCAGCGGCTTTGTATCCGTTTTCAGAGCTTAGCGGTTCCGAATTA 167
QY 895 TCAAGAGCGAGCTCGGTTATGGTTCGAGCTCAAGCTCAGCGGTAAACACCGGTAGTTCA 954
Db 166 TCAAGAGCGAGCTCGGTTATGGTTCGAGCTCAAGCTCAGCGGTAAACACCGGTAGTTCA 107

QY 955 TCGTCAATTCACACACACGACGCGTACGAGACTTCTCCCTAGAGATATACGAG 1014
DB 106 TCGTCAATTCACACACACGACGCGTACGAGACTTCTCCCTAGAGATATACGAG 47
QY 1015 AAACAAGAGCTTCACACAGTTCATGAGCACCACACACAGCAGCGTTCAT 1060
DB 46 AAACAAGAGCTTCACACAGTTCATGAGCACCACACACAGCAGCGTTCAT 1

RESULT 5
US-09-770-696-257
; Sequence 257, Application US/09770696
; Patent No. US20010044940A1
; GENERAL INFORMATION:
; APPLICANT: Goriach, Jorn
; APPLICANT: An, Yong-Qiang
; APPLICANT: Hamilton, Carol M.
; APPLICANT: Price, Jennifer L.
; APPLICANT: Raines, Tracy M.
; APPLICANT: Yu, Yang
; APPLICANT: Rameaka, Joshua G.
; APPLICANT: Page, Amy
; APPLICANT: Matthew, Abraham V.
; APPLICANT: Ledford, Brooke L.
; APPLICANT: Woessner, Jeffrey P.
; APPLICANT: Haas, William David
; APPLICANT: Garcia, Carlos A.
; APPLICANT: Kricker, Maja
; APPLICANT: Slader, Ted
; APPLICANT: Davis, Keith R.
; APPLICANT: Allen, Keith
; APPLICANT: Hoffman, Neil
; APPLICANT: Hurlan, Patrick
; TITLE OF INVENTION: Expressed Sequences of Arabidopsis
; FILE REFERENCE: 2031US (PARA-020PRV)
; CURRENT APPLICATION NUMBER: US/09/770,696
; CURRENT FILING DATE: 2001-01-26
; PRIOR FILING DATE: 2000-01-27
; NUMBER OF SEQ ID NOS: 911
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 257
; LENGTH: 185
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-770-696-257

Query Match 17.3%; Score 185; DB 9; Length 185;
Best Local Similarity 100.0%; Pred. No. 2.8e-90;
Matches 185; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 35 GCAAAGATCAAACTCTAAGAGCGGTGATCTTAACCATCATCAACGGGTGAGAAACGTCG 94
DB 1 GCAAAGATCAAACTCTAAGAGCGGTGATCTTAACCATCATCAACGGGTGAGAAACGTCG 60
QY 95 AAATCTCAAGACCTTCCAGTAAATCCACAGTCACTCCAGCCGAGCGGCGG 154
DB 61 AAATCTCAAGACCTTCCAGTAAATCCACAGTCACTCCAGCCGAGCGGCGG 120
QY 155 TGATCCCGTGGTTTCAATGTCTTTAGCTCCACCGTCTTCGACGAGCACCATTGAAGA 214
DB 121 TGATCCCGTGGTTTCAATGTCTTTAGCTCCACCGTCTTCGACGAGCACCATTGAAGA 180
QY 215 GAGCT 219
DB 181 GAGCT 185

RESULT 6
US-10-225-066A-1049
; Sequence 1049, Application US/10225066A
; Publication No. US20030226173A1

GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: RATCLIFFE, Oliver
; APPLICANT: RIECHMANN, Jose Luis
; APPLICANT: ADAM, Luc J
; APPLICANT: DUBELL, Arnold T
; APPLICANT: HEARD, Jacqueline E
; APPLICANT: PILGRIM, Marsha L
; APPLICANT: JIANG, Cai-Zhong
; APPLICANT: REUBER, T. Lynne
; APPLICANT: CREELMAN, Robert A
; APPLICANT: PINEDA, Omaira
; APPLICANT: YU, Guo-Liang
; APPLICANT: BROUN, Pierre E
; TITLE OF INVENTION: Yield-Related Polynucleotides and Polypeptides in Plants
; FILE REFERENCE: MBI0036-2 US
; CURRENT APPLICATION NUMBER: US/10/225,066A
; CURRENT FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 09/837,444
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-12-05
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 1122
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1049
; LENGTH: 704
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-10-225-066A-1049

Query Match 2.3%; Score 25; DB 13; Length 704;
Best Local Similarity 100.0%; Pred. No. 0.012;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 222 GACTAAAGACCGTCACACGAGGTT 246
DB 189 GACTAAAGACCGTCACACGAGGTT 213

RESULT 7
US-10-374-780A-2689
; Sequence 2689, Application US/10374780A
; Publication No. US20040019927A1
; GENERAL INFORMATION:
; APPLICANT: Sherman, Bradley K
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Heard, Jacqueline E
; APPLICANT: Haake, Volker
; APPLICANT: Creelman, Robert A
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Adam, Luc J
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddie, James
; APPLICANT: Broun, Pierre E
; APPLICANT: Pilgrim, Marsha L
; APPLICANT: Dubell III, Arnold T
; APPLICANT: PINEDA, Omaira
; APPLICANT: Yu, Guo-Liang
; TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES IN PLANTS
; FILE REFERENCE: MBI-0047 CIP
; CURRENT APPLICATION NUMBER: US/10/374,780A
; CURRENT FILING DATE: 2003-02-25
; PRIOR APPLICATION NUMBER: 09/837,944
; PRIOR FILING DATE: 2001-04-18
; PRIOR APPLICATION NUMBER: 60/310,847
; PRIOR FILING DATE: 2001-08-09

; PRIOR APPLICATION NUMBER: 09/934,455
; PRIOR FILING DATE: 2001-08-22
; PRIOR APPLICATION NUMBER: 60/336,049
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/338,692
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: 10/171,468
; PRIOR FILING DATE: 2002-06-14
; PRIOR APPLICATION NUMBER: 10/225,066
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/225,067
; PRIOR FILING DATE: 2002-08-09
; PRIOR APPLICATION NUMBER: 10/225,068
; PRIOR FILING DATE: 2002-08-09
; NUMBER OF SEQ ID NOS: 2906
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2689
; LENGTH: 704
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G1663
US-10-374-780A-2689

Query Match 2.3%; Score 25; DB 16; Length 704;
Best Local Similarity 100.0%; Pred. No. 0.012;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 222 GACTAAGACCGTCACACGAAGTT 246
|||||
DB 189 GACTAAGACCGTCACACGAAGTT 213

RESULT 8

US-09-732-627A-4287
; Sequence 4287, Application US/09732627A
; Publication No. US2004012338A1
; GENERAL INFORMATION:
; APPLICANT: Fincher, Karen L.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE OF INVENTION: Plants
; FILE REFERENCE: 38-21(51770)B
; CURRENT APPLICATION NUMBER: US/09/732,627A
; CURRENT FILING DATE: 2000-12-08
; NUMBER OF SEQ ID NOS: 4930
; SEQ ID NO 4287
; LENGTH: 390
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3493-028-F1-M1-F9
US-09-732-627A-4287

Query Match 2.1%; Score 23; DB 12; Length 390;
Best Local Similarity 100.0%; Pred. No. 0.15;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 223 ACTAAGACCGTCACACGAAGT 245
|||||
DB 43 ACTAAGACCGTCACACGAAGT 65

RESULT 9

US-10-021-323-15482
; Sequence 15482, Application US/10021323
; Publication No. US20040123340A1
; GENERAL INFORMATION:
; APPLICANT: Deikman, Jill
; APPLICANT: Feng, Paul C.C.
; APPLICANT: Fincher, Karen L.
; APPLICANT: Ziegler, Todd E.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; NUMBER OF SEQ ID NOS: 2011

; FILE REFERENCE: 38-21(52274)B
; CURRENT APPLICATION NUMBER: US/10/021,323
; CURRENT FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: US 60/255, 619
; PRIOR FILING DATE: 2000-12-14
; NUMBER OF SEQ ID NOS: 17880
; SEQ ID NO 15482
; LENGTH: 587
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3829-026-Q6-K6-G6
US-10-021-323-15482

Query Match 2.1%; Score 23; DB 17; Length 587;
Best Local Similarity 100.0%; Pred. No. 0.15;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 223 ACTAAGACCGTCACACGAAGT 245
|||||
DB 257 ACTAAGACCGTCACACGAAGT 279

RESULT 10

US-10-412-699B-551
; Sequence 551, Application US/10412699B
; Publication No. US20040045049A1
; GENERAL INFORMATION:
; APPLICANT: Mendel Biotechnology, Inc.
; APPLICANT: Zhang, James
; APPLICANT: Fromm, Michael E.
; APPLICANT: Heard, Jacqueline E.
; APPLICANT: Riechmann, Jose Luis
; APPLICANT: Adam, Luc J.
; APPLICANT: Broun, Pierre E.
; APPLICANT: Pineda, Omaira
; APPLICANT: Reuber, T. Lynne
; APPLICANT: Keddle, James S.
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Samaha, Raymond R.
; APPLICANT: Pilgrim, Marsha L.
; APPLICANT: Creelman, Robert A.
; APPLICANT: DuBell, Arnold N.
; APPLICANT: Ratcliffe, Oliver
; APPLICANT: Kumamoto, Roderick
; APPLICANT: Sherman, Bradley K.
; TITLE OF INVENTION: Polynucleotides and Polypeptides in Plants
; FILE REFERENCE: MBI-0048CIP
; CURRENT APPLICATION NUMBER: US/10/412,699B
; CURRENT FILING DATE: 2003-04-10
; PRIOR APPLICATION NUMBER: 09/394,519
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: 09/489,376
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: 09/506,720
; PRIOR FILING DATE: 2000-02-17
; PRIOR APPLICATION NUMBER: 09/533,030
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,392
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,029
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/532,591
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/533,648
; PRIOR FILING DATE: 2000-03-22
; PRIOR APPLICATION NUMBER: 09/713,994
; PRIOR FILING DATE: 2000-11-16
; PRIOR APPLICATION NUMBER: 09/819,142
; PRIOR FILING DATE: 2001-03-27
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 2011

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; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 551
; LENGTH: 1604
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; OTHER INFORMATION: G802
US-10-412-699B-551

Query Match      2.1%; Score 23; DB 13; Length 1604;
Best Local Similarity 100.0%; Pred. No. 0.15;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 TCGACTAAAGACCGTCACAGAA 242
    |||||||
Db 317 TCGACTAAAGACCGTCACAGAA 339

RESULT 11
US-10-295-403-147
; Sequence 147, Application US/10295403
; Publication No. US20030101481A1
; GENERAL INFORMATION:
; APPLICANT: Heard, Jacqueline
; APPLICANT: Adam, Luc
; APPLICANT: Broun, Pierre
; APPLICANT: Pineda, Omaira
; APPLICANT: Reuber, Lynne
; APPLICANT: Jiang, Cai-Zhong
; APPLICANT: Keddie, James
; APPLICANT: Zhang, James
; APPLICANT: Benito, Maria-Ines
; APPLICANT: Yu, Guo-Liang
; APPLICANT: Fromm, Mike
; TITLE OF INVENTION: PLANT GENE SEQUENCES I
; FILE REFERENCE: MBI-0003
; CURRENT APPLICATION NUMBER: US/10/295,403
; CURRENT FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: US/09/394,519
; PRIOR FILING DATE: 1999-09-13
; PRIOR APPLICATION NUMBER: 60/101,349
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: 60/103,312
; PRIOR FILING DATE: 1998-10-06
; PRIOR APPLICATION NUMBER: 60/108,734
; PRIOR FILING DATE: 1998-11-17
; PRIOR APPLICATION NUMBER: 60/113,409
; PRIOR FILING DATE: 1998-12-22
; NUMBER OF SEQ ID NOS: 170
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 147
; LENGTH: 1604
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (143)..(1345)
; OTHER INFORMATION: G802
US-10-295-403-147

Query Match      2.1%; Score 23; DB 15; Length 1604;
Best Local Similarity 100.0%; Pred. No. 0.15;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 220 TCGACTAAAGACCGTCACAGAA 242
    |||||||
Db 317 TCGACTAAAGACCGTCACAGAA 339

RESULT 12
US-10-424-599-59834
; Sequence 59834, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J
; APPLICANT: Kovalic, David K
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 59834
; LENGTH: 442
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_25040C.1
US-10-424-599-59834

Query Match      1.9%; Score 20; DB 13; Length 442;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 206 CATTGAAGAGAGCTTCGACT 225
    |||||||
Db 53 CATTGAAGAGAGCTTCGACT 72

RESULT 13
US-10-276-774-292/c
; Sequence 292, Application US/10276774
; Publication No. US20040053245A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; APPLICANT: Tang, Y, Tom et al
; TITLE OF INVENTION: No. US20040053245A1el Nucleic Acids and Polypeptides
; FILE REFERENCE: 21272-030
; CURRENT APPLICATION NUMBER: US/10/276,774
; CURRENT FILING DATE: 2002-11-18
; PRIOR APPLICATION NUMBER: 09/560,875
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: 09/496,914
; PRIOR FILING DATE: 2000-02-03
; NUMBER OF SEQ ID NOS: 2700
; SOFTWARE: Custom
; SEQ ID NO 292
; LENGTH: 453
; TYPE: DNA
; ORGANISM: Homo sapiens
; OTHER INFORMATION:
US-10-276-774-292

Query Match      1.9%; Score 20; DB 13; Length 453;
Best Local Similarity 100.0%; Pred. No. 6.5;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 618 CACTGTGGCTCAGCAACTTC 637
    |||||||
Db 239 CACTGTGGCTCAGCAACTTC 220

RESULT 14
US-10-369-493-37704/c
; Sequence 37704, Application US/10369493
; Publication No. US20030233675A1
; GENERAL INFORMATION:
; APPLICANT: Cao, Yongwei
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Goldman, Barry S.
; APPLICANT: Chen, Xianfeng
; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF
; PLANTS WITH IMPROVED PROPERTIES
```

; FILE REFERENCE: 38-10(S2052)B
; CURRENT APPLICATION NUMBER: US/10/369,493
; PRIOR FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 37704
; LENGTH: 1263
; TYPE: DNA
; ORGANISM: Pseudomonas fluorescens
US-10-369-493-37704

Query Match 1.9%; Score 20; DB 16; Length 1263;
Best Local Similarity 100.0%; Pred.No. 6.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 764 CCGCGCTGCTCGCGTGG 783
|||||
Db 874 CCGCGCTGCTCGCGTGG 855

RESULT 15
US-10-424-599-93501/c
; Sequence 93501, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 93501
; LENGTH: 1756
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_55445C.1
US-10-424-599-93501

Query Match 1.9%; Score 20; DB 13; Length 1756;
Best Local Similarity 100.0%; Pred.No. 6.7;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 406 CCGCCATCGCCATCGGT 425
|||||
Db 26 CCGCCATCGCCATCGGT 7

Search completed: August 7, 2004, 13:44:07
Job time : 517.675 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 7, 2004, 03:54:24 ; Search time 128.765 Seconds
(without alignments)
7227.512 Million cell updates/sec

Title: US-09-938-842A-3729

Perfect score: 1677

Sequence: 1 ggtaagcgtttactatg.....ttctctcagctatatatta 1677

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 682709 seqs, 277475446 residues

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA:*

1: /cgn2_6/prodata/2/ina/5A_COMB.seq:*

2: /cgn2_6/prodata/2/ina/5B_COMB.seq:*

3: /cgn2_6/prodata/2/ina/6A_COMB.seq:*

4: /cgn2_6/prodata/2/ina/6B_COMB.seq:*

5: /cgn2_6/prodata/2/ina/PCTUS_COMB.seq:*

6: /cgn2_6/prodata/2/ina/backfileseq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	46.4	2.8	7218	1	US-08-232-463-14
C 2	44.4	2.6	832	4	US-09-621-976-2813
C 3	43.4	2.6	640681	4	US-09-790-988-1
C 4	42.2	2.5	1666	1	US-08-076-090-1
C 5	42.2	2.5	1666	5	PCT-US94-06661-1
C 6	42.2	2.5	2500	1	US-08-550-715-10
C 7	42.2	2.5	3385	4	US-09-411-449-3
C 8	42.2	2.5	3496	4	US-09-411-449-1
C 9	42.2	2.5	3805	4	US-09-411-449-4
C 10	42.2	2.5	3916	4	US-09-411-449-2
C 11	42.2	2.5	6060	5	PCT-US96-09430-7
C 12	42	2.5	1440	4	US-09-107-532A-2589
C 13	41.2	2.5	640681	4	US-09-790-988-1
C 14	41	2.4	505	4	US-09-621-976-15639
C 15	39.8	2.4	6317	3	US-10-204-708-11
C 16	39.6	2.4	837	3	US-08-998-416-288
C 17	38.6	2.4	7218	1	US-08-232-463-14
C 18	39.2	2.3	6070	4	US-10-204-708-9
C 19	39.2	2.3	19233	4	US-10-204-708-45
C 20	39	2.3	731	1	US-08-451-405A-2
C 21	39	2.3	2251	3	US-08-991-677-11
C 22	39	2.3	8607	4	US-10-204-708-71
C 23	39	2.3	1664976	4	US-08-916-421B-1
C 24	39	2.3	1664976	4	US-08-916-421B-1
C 25	38.8	2.3	832	4	US-09-621-976-2813
C 26	38.8	2.3	2169	4	US-09-434-408-3
C 27	38.8	2.3	6182	4	US-10-204-708-86

C 28	38.6	2.3	606	4	US-09-601-198-162
C 29	38.6	2.3	1990	4	US-08-961-527-232
C 30	38.6	2.3	19124	2	US-08-487-826B-13
C 31	38.6	2.3	118067	4	US-09-497-855A-32
C 32	38.2	2.3	731	1	US-08-451-405A-2
C 33	38.2	2.3	8093	4	US-10-204-708-31
C 34	38.2	2.3	19250	4	US-08-961-527-35
C 35	38	2.3	2341	3	US-09-187-049-11
C 36	37.8	2.3	1189	1	US-08-307-591-2
C 37	37.6	2.2	2394	3	US-09-414-010-3
C 38	37.6	2.2	2394	4	US-09-812-216-3
C 39	37.6	2.2	8133	1	US-08-480-604A-5
C 40	37.6	2.2	8133	2	US-08-405-496A-5
C 41	37.6	2.2	8133	3	US-08-915-136-5
C 42	37.6	2.2	8133	4	US-08-957-310-5
C 43	37.6	2.2	8133	4	US-10-011-366-5
C 44	37.6	2.2	8133	4	US-09-084-517-5
C 45	37.6	2.2	1230025	4	US-09-198-452A-1

ALIGNMENTS

RESULT 1
US-08-232-463-14/c
; Sequence 14, Application US/08232463
; Patent No. 5670367
; GENERAL INFORMATION:
; APPLICANT: DORNER, F.
; APPLICANT: SCHEIFLINGER, F.
; APPLICANT: FALKNER, F. G.
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
; NUMBER OF SEQUENCES: 52
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Foley & Lardner
; STREET: 1800 Diagonal Road, Suite 500
; CITY: Alexandria
; STATE: VA
; COUNTRY: USA
; ZIP: 22313-0299
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/232,463
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/07/935,313
; FILING DATE:
; APPLICATION NUMBER: EP 91 114 300.6
; FILING DATE: 26-AUG-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: BENT, Stephen A.
; REGISTRATION NUMBER: 29,768
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703)836-9300
; TELEFAX: (703)683-4109
; TELEX: 899149
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7218 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; CLONE: pTZgpt-Fls
US-08-232-463-14

Query Match

2.8%; Score 46.4; DB 1; Length 7218;

```

Best Local Similarity 12.9%; Pred. No. 0.025;
Matches 59; Conservative 189; Mismatches 210; Indels 0; Gaps 0;
QY 138 AACAGGTAGAGACATACCAATAGACAGATGATCTGGAAGATGATCTCTATGCTCT 197
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1388 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1329
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 198 AAAGAAATGGACCATAGGATGATGAAATGAAATGAAATGAAATGAAATGAAATG 257
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1328 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1269
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 258 ATACTACACTTATTTATGTAATGTAATGTAATGTAATGTAATGTAATGTAATG 317
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1268 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1209
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 318 AAACCTCAAAATTTACCAATGACGCAAAATTTATGATGTCGGGTAATGATGTCG 377
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1208 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1149
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 378 ATGTAGCAAAAGTTGCTGCTGCAAAATGCAAAATGCAAAATGCAAAATGCAAA 437
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1148 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1089
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 438 AATCTGTAATCGGAAAGTGGACCCACTTGGTTTAACTTTTAAAGCTTAAAGGTT 497
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1088 RRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRRR 1029
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 498 ACCGGTTTACCGGTTTAAATGTTGTTTAAATGTTTAAATGTTTAAATGTTT 557
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 1028 AATCTGTGAGCGTATGCGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCAAGCA 969
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 558 AATCTCAAGGCAAGCTTATCGCAATATTTTCAATTTT 595
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 968 CATTTCACGTAACCGTTTAAATATATTTTGAATCTT 931
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

```

RESULT 2
US-09-621-976-2813
; Sequence 2813, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pn
; SEQ ID NO 2813
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 235...399
US-09-621-976-2813

```

```

Query Match 2.6%; Score 44.4; DB 4; Length 832;
Best Local Similarity 14.4%; Pred. No. 0.038;
Matches 50; Conservative 153; Mismatches 144; Indels 1; Gaps 1;
QY 10 TTTTACTATGTTTATATGCAAGGATATGTCATTTGGAATGCTTTTTCAGA 69
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 37 YNRWRKXKXKXKXKXKXKXKXKXKXKXKXKXKXKXKXKXKXKXKXKXKXKXK 96
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 70 TCATCAAGGCTCTCTACAGATTTCTTAGGGAATGTTTTCAGGCTTTTGTAGAAATG 129
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 97 SYNAMWTRTWGAYYRSMYRRCWKXKXKXKXKXKXKXKXKXKXKXKXKXKXKX 156
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 130 TTTTATGCAAGGTAGAGACATACCATAGACAGATGATCTATGAGACAGATAAGCTTCT 189
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

```

Db 157 KTYVYAATRYWMMCMWKRASWYCWGWKARKKWKSRYSASARSACCCYSCS 216
QY 190 CTATGCTCTAAGAAATGGA-CCGATACGAATAAAACAAAGCATCATTTAAAGATTAAATGCT 248
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 217 WGAMSKYMWWRWRCWATGAGMKAWRASCMWRKVKYAGSKTSYKSNMCMWMTSRWKYCY 276
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 249 TTGTAAGAAATACATACACTTATTTATGTAATTTGTTGTTGTTGTTGTTGTTGTTGTT 308
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 277 TKARWTGYCYVRKGMWKGKRWYASKYMWKRWMMWCMWRMYRYSYTGTRSMWRWRYT 336
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 309 CGGAATCAAAACCTCAAAATTTACCAATTCAGCCCAAAATTTATTTGATGCT 356
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 337 MMKMKWKYAWARAARWMMWWRACAAATATATATTTATTTGCT 384
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

```

RESULT 3
US-09-790-988-1
; Sequence 1, Application US/09790988
; Patent No. 6632935
; GENERAL INFORMATION:
; APPLICANT: SHIGENOBU, SHUJI
; APPLICANT: WATANABE, HIDEKI
; APPLICANT: HATTORI, MASAHIRA
; APPLICANT: SAKAKI, YOSHIYUKI
; TITLE OF INVENTION: GENOME DNA OF BACTERIAL SYMBIONT OF APHIDS
; FILE REFERENCE: 081356/0159
; CURRENT APPLICATION NUMBER: US/09/790,988
; PRIOR FILING DATE: 2001-02-23
; CURRENT FILING DATE: JP2000-107160
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 1
; LENGTH: 640681
; TYPE: DNA
; ORGANISM: Buchnera sp.
US-09-790-988-1

```

```

Query Match 2.6%; Score 43.4; DB 4; Length 640681;
Best Local Similarity 50.2%; Pred. No. 0.73;
Matches 107; Conservative 0; Mismatches 106; Indels 0; Gaps 0;
QY 1146 AAATCTTCCACCATAGAAAGTTAAATTCATCAGCGATGGAATTTTGTACAAAGC 1205
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 223591 AAATAATATTTATTAATAACATTTTACATTTTAAATCAATAAATTAATTAATTA 223650
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 1206 TAGGTATTTTCAATTTGGAGTGTACTAGTAAGTACTAACACAGATGAGTTTCTG 1265
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 223651 TATATATTTAAATTTTATTTGATTTTITAGATGTTTATGATTTTAAAAAATAAAG 223710
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 1266 ATTTTGGATTTTCAAGCTTTTCTTAGGTTAAAAACAAGTATTAATAACAATAAAG 1325
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 223711 AGCATTCAATAAAAAATTTTTTAAAGTTAAAAAATTAATGTAATAATTTTATAGTAA 223770
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 1326 AAAACATTTTGTGAAAGAGAAATAAAGTTTA 1358
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 223771 ATATTAATCTAATCGTTAAATAATATATAATGTA 223803
    : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

```

RESULT 4
US-08-076-090-1
; Sequence 1, Application US/08076090
; Patent No. 5631162
; GENERAL INFORMATION:
; APPLICANT: LeBoulch, Philippe
; APPLICANT: London, Irving M.
; APPLICANT: Tuan, Dorothy
; TITLE OF INVENTION: Retroviral Vectors for Transducing
; TITLE OF INVENTION: Beta-Globulin Gene and Beta-Locus Control Region
; TITLE OF INVENTION: Derivatives
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kilpatrick & Cody

```


STREET: 1100 Peachtree Street, Suite 2800
CITY: Atlanta
STATE: Georgia
COUNTRY: U.S.
ZIP: 30309-4530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/076,090
FILING DATE: 19930611
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Pabst, Patrea L.
REGISTRATION NUMBER: 31,284
REFERENCE/DOCKET NUMBER: MIT 6128
TELECOMMUNICATION INFORMATION:
TELEPHONE: (404) 815-6508
TELEFAX: (404) 815-6555
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1666 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CELL TYPE: Beta-globin gene
FEATURE:
NAME/KEY: misc_signal
LOCATION: 37..298
OTHER INFORMATION: /note= "Exon III"
FEATURE:
NAME/KEY: misc_signal
LOCATION: 299..1148
OTHER INFORMATION: /note= "Intron 2"
FEATURE:
NAME/KEY: misc_signal
LOCATION: 1149..1370
OTHER INFORMATION: /note= "Exon II"
FEATURE:
NAME/KEY: misc_signal
LOCATION: 1371..1501
OTHER INFORMATION: /note= "Intron 1"
FEATURE:
NAME/KEY: misc_signal
LOCATION: 1502..1643
OTHER INFORMATION: /note= "Exon I"
US-08-076-090-1

Query Match 2.5%; Score 42.2; DB 1; Length 1666;
Best Local Similarity 47.5%; Pred. No. 0.18;
Matches 125; Conservative 0; Mismatches 138; Indels 0; Gaps 0;
QY 1091 TTTTCCATAAAATTAAGTAAATCTTTTTCCTAACCAATAAAATTTTGAAGATC 1150
Db 684 TGTGTACACATATTAACATTAACCTTAACCCATAAATATGTAATGATGATATC 743
QY 1151 TTCCCAACATGAAAGTAAATTTGATCAGCGATGGAATTTTGTACAAAGCTAGT 1210
Db 744 AATTGAAATAAAAGAAAATAAGTAGGAGATTAATGATATGCAATAGCACATAT 803
QY 1211 ATTTCAATTTGGAGTGTACTAGTACTAGTAACTAACCCAGATGAGTTTCTGATTT 1270
Db 804 ATCCAAATAGTAATGTACTAGGCAGACTGTGTAAGTTTTTTTAAAGTAACTAATG 863
QY 1271 GGATTTTCAAGCTTTCTTAGTTTAAACCAAGTATATTACTAAACATTAAGAAAA 1330

Db 864 ATCTCAGAGATATTTCTTTTGTATACACAAATGTTAAGGCATTAAAGTATATAAGTAAAA 923
QY 1331 CATTTTGTGAAAGAGAAATAAA 1353
Db 924 ATTGCGGAGAGAGAAAAAAGA 946
RESULT 5
PCT-US94-06661-1
Sequence 1, Application PC/TUS9406661
GENERAL INFORMATION:
APPLICANT:
TITLE OF INVENTION: Retroviral Vectors for Transducing
TITLE OF INVENTION: Beta-Globulin Gene and Beta-Locus Control Region
TITLE OF INVENTION: Derivatives
NUMBER OF SEQUENCES: 5
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (BPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/06661
FILING DATE: 10-JUN-1994
CLASSIFICATION:
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1666 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo Sapiens
CELL TYPE: Beta-globin gene
FEATURE:
NAME/KEY: misc_signal
LOCATION: 37..298
OTHER INFORMATION: /note= "Exon III"
FEATURE:
NAME/KEY: misc_signal
LOCATION: 299..1148
OTHER INFORMATION: /note= "Intron 2"
FEATURE:
NAME/KEY: misc_signal
LOCATION: 1149..1370
OTHER INFORMATION: /note= "Exon II"
FEATURE:
NAME/KEY: misc_signal
LOCATION: 1371..1501
OTHER INFORMATION: /note= "Intron 1"
FEATURE:
NAME/KEY: misc_signal
LOCATION: 1502..1643
OTHER INFORMATION: /note= "Exon I"
PCT-US94-06661-1

Query Match 2.5%; Score 42.2; DB 5; Length 1666;
Best Local Similarity 47.5%; Pred. No. 0.18;
Matches 125; Conservative 0; Mismatches 138; Indels 0; Gaps 0;
QY 1091 TTTTCCATAAAATTAAGTAAATCTTTTTCCTAACCAATAAAATTTTGAAGATC 1150
Db 684 TGTGTACACATATTAACATTAACCTTAACCCATAAATATGTAATGATGATATC 743
QY 1151 TTCCCAACATGAAAGTAAATTTGATCAGCGATGGAATTTTGTACAAAGCTAGT 1210
Db 744 AATTGAAATAAAAGAAAATAAGTAGGAGATTAATGATATGCAATAGCACATAT 803
QY 1211 ATTTCAATTTGGAGTGTACTAGTACTAGTAACTAACCCAGATGAGTTTCTGATTT 1270

Db 804 ATTCCAAATAGTAATGTAAGTCTGTAAGTCTTTTGTATACAAATGTTAAGTCTTAATGT 863
Qy 1271 GGATTTTGAAGCTTTCTTAGTTAAACCAAGTATATTTACTAAACAATAAAGAAAA 1330
Db 864 ATCTCAGAGATATTTCTTTGTATACAAATGTTAAGCAATTAAGTATTAATAGTAAAA 923
Qy 1331 CATTTTGTGAAAGAGAAATAAA 1353
Db 924 ATTCCGAGAGAAAAAAGAA 946

RESULT 6
US-08-550-715-10/C
; Sequence 10, Application US/08550715
; Patent No. 5750345
; GENERAL INFORMATION:
; APPLICANT: Bowie, Lemuel J.
; TITLE OF INVENTION: Human α -Thalassemia Mutations as a Predictor of
; TITLE OF INVENTION: Blood-Related Disorders
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
; STREET: 6300 Sears Tower, 233 South Wacker Drive
; CITY: Chicago
; STATE: Illinois
; COUNTRY: United States of America
; ZIP: 60606-6402
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; FILING DATE: US/08/550,715
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Gass, David A.
; REGISTRATION NUMBER: 38,153
; REFERENCE/DOCKET NUMBER: 28493/32834
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312/474-6300
; TELEFAX: 312/474-0448
; TELEX: 25-3856
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2500 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: CDS
; LOCATION: join(687..778, 909..1131, 1982..2107)
US-08-550-715-10

Query Match 2.5%; Score 42.2; DB 1; Length 2500;
Best Local Similarity 47.5%; Pred. No. 0.21; Indels 0; Gaps 0;
Matches 125; Conservative 0; Mismatches 138; Indels 0; Gaps 0;
Qy 1091 TTTTCCATAAAATTAAGTAAATCTTTTTCCTTAACCAATAAATAATTTGTAACAACTAGT 1150
Db 1596 TGTGTACACATATTAACACATTACCTTTAACCATAAATATGTATATGATTATGTATC 1537
Qy 1151 TTTCCACCAATAGAAAGTTAAATTTGATCAGCGATGGAATTTTGTACAAAGCTAGGT 1210
Db 1536 AATTAAAAATAAAGAAATAAAGTAGGAGATTATGAATATGCAATAAGCACATAT 1477
Qy 1211 ATTTTCATTTGGAGTGTACTAGTAAGTAACTAGTAAGTAACTAGTAAGTAACTAGTAAGT 1270
Db 1476 ATTTCCAAATAGTAATGACTAGGAGCTGTGTAAAGTTTTTTTAAAGTTACTTAATGT 1417
Qy 1271 GGATTTTGAAGCTTTTCTTAGTTTAAAAACAAGTATATTACTAAACAATAAAGAAAA 1330

Db 1416 ATCTCAGAGATATTTCTTTGTATACAAATGTTAAGCAATTAAGTATTAATAGTAAAA 1357
Qy 1331 CATTTTGTGAAAGAGAAATAAA 1353
Db 1356 ATTCCGAGAGAAAAAAGAA 1334

RESULT 7
US-09-411-449-3/c
; Sequence 3, Application US/09411449
; Patent No. 6524851
; GENERAL INFORMATION:
; APPLICANT: James Ellis
; TITLE OF INVENTION: HYBRID NUCLEIC ACID MOLECULES AND VECTORS INCLUDING
; TITLE OF INVENTION: beta-GLOBIN REGULATORY ELEMENTS
; FILE REFERENCE: 17860017
; CURRENT APPLICATION NUMBER: US/09/411,449
; CURRENT FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 2,246,005
; PRIOR FILING DATE: 1998-10-01
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 3
; LENGTH: 3385
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-411-449-3

Query Match 2.5%; Score 42.2; DB 4; Length 3385;
Best Local Similarity 47.5%; Pred. No. 0.23;
Matches 125; Conservative 0; Mismatches 138; Indels 0; Gaps 0;
Qy 1091 TTTTTCCTATAAAATTAAGTAAATCTTTTTCCTTAACCAATAAATAATTTGTAACAACTAGT 1150
Db 2128 TGTGTACACATATTAACACATTACCTTTAACCATAAATATGTATATGATTATGTATC 2069
Qy 1151 TTTCCACCAATAGAAAGTTAAATTTGATCAGCGATGGAATTTTGTACAAAGCTAGGT 1210
Db 2068 AATTAAAAATAAAGAAATAAAGTAGGAGATTATGAATATGCAATAAAGCACATAT 2009
Qy 1211 ATTTTCATTTGGAGTGTACTAGTAAGTAACTAGTAAGTAACTAGTAAGTAACTAGTATTT 1270
Db 2008 ATTTCCAAATAGTAATGACTAGGAGCTGTGTAAAGTTTTTTTAAAGTTACTTAATGT 1949
Qy 1271 GGATTTTGAAGCTTTTCTTAGTTTAAAAACAAGTATATTACTAAACAATAAAGAAAA 1330
Db 1948 ATCTCAGAGATATTTCTTTGTATACAAATGTTAAGCAATTAAGTATTAATAGTAAAA 1889
Qy 1331 CATTTTGTGAAAGAGAAATAAA 1353
Db 1888 ATTCCGAGAGAAAAAAGAA 1866

RESULT 8
US-09-411-449-1/c
; Sequence 1, Application US/09411449
; Patent No. 6524851
; GENERAL INFORMATION:
; APPLICANT: James Ellis
; TITLE OF INVENTION: HYBRID NUCLEIC ACID MOLECULES AND VECTORS INCLUDING
; TITLE OF INVENTION: beta-GLOBIN REGULATORY ELEMENTS
; FILE REFERENCE: 17860017
; CURRENT APPLICATION NUMBER: US/09/411,449
; CURRENT FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 2,246,005
; PRIOR FILING DATE: 1998-10-01
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 1
; LENGTH: 3496
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-411-449-1

Query Match 2.5%; Score 42.2; DB 4; Length 3496;
Best Local Similarity 47.5%; Pred. No. 0.24;
Matches 125; Conservative 0; Mismatches 138; Indels 0; Gaps 0;

QY 1091 TTTTCCATAAATAAGTAAATCTTTTTCGCTAACCAATAAAATATTGAAATC 1150
Db TGTGTACACATATTAAACATTAACCTTTAACCCATAAATATGTAATGATTATGATC 2180

QY 1151 TTTCCAAACCATAGAAAAGTTAAATTTTCATCAGCGATGGAATTTTCTCAAAAGCTAGGT 1210
Db AATTAAATAAATAAGAAAATAAAGTAGGGAGATTATGAATGCAAAATAGCACATAT 2120

QY 1211 ATTTCATTTGGAGTGTACTAGTAAGTAACTAGTAAGTAACTAACCAAGATGAGTTTCTGATTTT 1270
Db ATTCCAAATAGTAATGTACTAGGAGCTGTGTAAAGTTTCTTTTAAAGTACTTAATGT 2060

QY 1271 GGATTTTGAGCTTTCTTTAGGTAAACAAAGTATATTACTAAACAATAAAGAAAA 1330
Db ATCTCAGAGATATTTCTTTTGTATACACAATGTTAAGGCATTAAGTATAATAGTAAAA 2000

QY 1331 CATTTTGTGAAAAGAAATAAA 1353
Db 1999 ATTGCGAGAGAAAAAAGA 1977

RESULT 9

US-09-411-449-4/c
; Sequence 4, Application US/09411449
; Patent No. 6524851
; GENERAL INFORMATION:
; APPLICANT: James Ellis
; TITLE OF INVENTION: HYBRID NUCLEIC ACID MOLECULES AND VECTORS INCLUDING
; FILE REFERENCE: 17860017
; CURRENT APPLICATION NUMBER: US/09/411,449
; CURRENT FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 2,246,005
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 3805
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-411-449-4

Query Match 2.5%; Score 42.2; DB 4; Length 3805;
Best Local Similarity 47.5%; Pred. No. 0.24;
Matches 125; Conservative 0; Mismatches 138; Indels 0; Gaps 0;

QY 1091 TTTTCCATAAATAAGTAAATCTTTTTCGCTAACCAATAAAATATTGAAATC 1150
Db TGTGTACACATATTAAACATTAACCTTTAACCCATAAATATGTAATGATTATGATC 2489

QY 1151 TTTCCAAACCATAGAAAAGTTAAATTTTCATCAGCGATGGAATTTTGTACAAAGCTAGGT 1210
Db AATTAAATAAATAAGAAAATAAAGTAGGGAGATTATGAATGCAAAATAGCACATAT 2429

QY 1211 ATTTCATTTGGAGTGTACTAGTAAGTAACTAGTAAGTAACTAACCAAGATGAGTTTCTGATTTT 1270
Db ATTCCAAATAGTAATGTACTAGGAGCTGTGTAAAGTTTCTTTTAAAGTACTTAATGT 2369

QY 1271 GGATTTTGAGCTTTCTTTAGGTAAACAAAGTATATTACTAAACAATAAAGAAAA 1330
Db ATCTCAGAGATATTTCTTTTGTATACACAATGTTAAGGCATTAAGTATAATAGTAAAA 2309

QY 1331 CATTTTGTGAAAAGAAATAAA 1353
Db 2308 ATTGCGAGAGAAAAAAGA 2286

RESULT 10

US-09-411-449-2/c
; Sequence 2, Application US/09411449
; Patent No. 6524851
; GENERAL INFORMATION:
; APPLICANT: James Ellis
; TITLE OF INVENTION: HYBRID NUCLEIC ACID MOLECULES AND VECTORS INCLUDING
; FILE REFERENCE: 17860017
; CURRENT APPLICATION NUMBER: US/09/411,449
; CURRENT FILING DATE: 1999-10-01
; PRIOR APPLICATION NUMBER: 2,246,005
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 3916
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-411-449-2

Query Match 2.5%; Score 42.2; DB 4; Length 3916;
Best Local Similarity 47.5%; Pred. No. 0.24;
Matches 125; Conservative 0; Mismatches 138; Indels 0; Gaps 0;

QY 1091 TTTTCCATAAATAAGTAAATCTTTTTCGCTAACCAATAAAATATTGAAATC 1150
Db TGTGTACACATATTAAACATTAACCTTTAACCCATAAATATGTAATGATTATGATC 2600

QY 1151 TTTCCAAACCATAGAAAAGTTAAATTTTCATCAGCGATGGAATTTTGTACAAAGCTAGGT 1210
Db AATTAAATAAATAAGAAAATAAAGTAGGGAGATTATGAATGCAAAATAGCACATAT 2540

QY 1211 ATTTCATTTGGAGTGTACTAGTAAGTAACTAGTAAGTAACTAACCAAGATGAGTTTCTGATTTT 1270
Db ATTCCAAATAGTAATGTACTAGGAGCTGTGTAAAGTTTCTTTTAAAGTACTTAATGT 2480

QY 1271 GGATTTTGAGCTTTCTTTAGGTAAACAAAGTATATTACTAAACAATAAAGAAAA 1330
Db ATCTCAGAGATATTTCTTTTGTATACACAATGTTAAGGCATTAAGTATAATAGTAAAA 2420

QY 1331 CATTTTGTGAAAAGAAATAAA 1353
Db 2419 ATTGCGAGAGAAAAAAGA 2397

RESULT 11

PCT-US96-09430-7/c
; Sequence 7, Application PC/TUS9609430
; GENERAL INFORMATION:
; APPLICANT: Glazer, Peter M.
; TITLE OF INVENTION: TREATMENT OF HEMOGLOBINOPATHIES
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSER: OncorPharm, Inc.
; STREET: 200 Perry Parkway
; CITY: Gaithersburg
; STATE: Maryland
; COUNTRY: US
; ZIP: 20877
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US96/09430
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/473,845
; FILING DATE: 07-JUN-1995
; ATTORNEY/AGENT INFORMATION:

NAME: Karta, Glenn E.
REGISTRATION NUMBER: 30,649
REFERENCE/DOCKET NUMBER: FA-0040
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-527-2058
TELEFAX: 301-208-6997
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 6060 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
POSITION IN GENOME:
CHROMOSOME/SEGMENT: 11
PCT-US96-09430-7

Query Match 2.5%; Score 42.2; DB 5; Length 6060;
Best Local Similarity 47.5%; Pred. No. 0.29;
Matches 125; Conservative 0; Mismatches 138; Indels 0; Gaps 0;

QY 1091 TTTTCCATAAAATTAAAGTAACTCTTTTGGCTCAACCAATAAAATTTATTGAAATC 1150
DB 3096 TGTGTACACATATTAAACATTTACCTTTAACCCTAAATATGTATATGATTATGATC 3037
QY 1151 TTTCACACATAGAAAAGTTAAATTTGATCAGCGATGGAATTTTGTACAAAGTAGGT 1210
DB 3036 AATTAAATAAAGAAAATAAGTAGGAGATTATGAATATGCAATAAGCACACATAT 2977
QY 1211 ATTTCATTGGGAGTGTACTAGTAACTAGTAACTACCAAGATGATTTCTGATTTT 1270
DB 2976 ATTCCAAATAGTAATGTACTAGCCAGACTGTGTAAAGTTTTTTTAAAGTTACTTAATGT 2917
QY 1271 GGATTTTGAAGCTTTCTTAGTTTAAACCAAGATATATTACTAAACATAAAGAAAAA 1330
DB 2916 ATCTCAGAGATATTTCTTTTGTATACCAATGTTAAGGCATTAAATATATAGTAAA 2857
QY 1331 CATTTTGTGAAAAGAGAAATAAA 1353
DB 2856 ATTGCGGAGAAGAAAAAAGA 2834

RESULT 12
US-09-107-532A-2589
Sequence 2589, Application US/09107532A
Patent No. 6583275
GENERAL INFORMATION:
APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
NUMBER OF SEQUENCES: 7310
CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
STREET: 100 Beaver Street
CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD-ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,532A
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998

APPLICATION NUMBER: 60/051571
FILING DATE: July 2, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Ariniello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
TELEFAX: (781)893-8277
INFORMATION FOR SEQ ID NO: 2589:
SEQUENCE CHARACTERISTICS:
LENGTH: 1440 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: circular
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
FEATURE:
NAME/KEY: misc feature
LOCATION: (B) LOCATION 1...1440
SEQUENCE DESCRIPTION: SEQ ID NO: 2589:
US-09-107-532A-2589

Query Match 2.5%; Score 42; DB 4; Length 1440;
Best Local Similarity 54.5%; Pred. No. 0.19;
Matches 84; Conservative 0; Mismatches 70; Indels 0; Gaps 0;

QY 1297 AAAACAAGTATATTAACAATAAAGAAAAACATTTGTGAAAAAGAAATAAAGTT 1356
DB 102 AAGAAATCTAACCAATCAAGCAAAATTCGAACACAAAGGTGTAAAAACAGAAATCAGTT 161
QY 1357 TACTGCAGCCCATTTACAGATGGTCCCATATAATACTGTATAGATAGAGCAATGGA 1416
DB 162 ATCTGAACAAGAAATCAAGAGGCGAGATGCAATCACTCTTCAGTAGATAAAGAAATCGA 221
QY 1417 AAGTGATTTGTTTACGTGTACATCGGAATGGT 1450
DB 222 ATTGACCGATTTCGCGGMAAAAGATAAGCGT 255

RESULT 13
US-09-790-988-1/c
Sequence 1, Application US/09790988
Patent No. 6632935
GENERAL INFORMATION:
APPLICANT: SHIGENOBU, SHUJI
APPLICANT: WATANABE, HIDEKI
APPLICANT: HATTORI, MASAHIRA
APPLICANT: SAKAKI, YOSHIYUKI
TITLE OF INVENTION: GENOME DNA OF BACTERIAL SYMBIONT OF APHIDS
FILE REFERENCE: 081356/0159
CURRENT APPLICATION NUMBER: US/09/790,988
CURRENT FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: JP2000-107160
PRIOR FILING DATE: 2000-04-07
NUMBER OF SEQ ID NOS: 7
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
TYPE: DNA
LENGTH: 640681
ORGANISM: Buchnera sp.
US-09-790-988-1

Query Match 2.5%; Score 41.2; DB 4; Length 640681;
Best Local Similarity 52.3%; Pred. No. 2.7;
Matches 91; Conservative 0; Mismatches 83; Indels 0; Gaps 0;

QY 1238 AGTAAGTACTAACCAAGATGTTCTGATTTTGGATTTTGAAGCTTTCTTAGGTAAA 1297
DB 68453 AGACAGTTATATACTTTGTTATCAATGATTTTAAATACAAAAACGGTCTATTATTAG 68394

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37: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:
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43: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	52.4	3.1	2000	9	US-09-887-576-73
4	49.6	3.0	858	15	US-10-198-846-7035
5	49.2	2.9	3673778	15	US-10-312-841-2
6	49	2.9	3673778	15	US-10-312-841-2
7	48.6	2.9	20933	17	US-10-433-793-154
8	47.8	2.9	2958	9	US-09-938-842A-338
9	47.8	2.9	2958	11	US-09-938-842A-338
10	46.6	2.8	516	9	US-09-960-352-5785
11	46.6	2.8	789	13	US-10-282-122A-15640
12	46.4	2.8	610	17	US-10-021-323-8212
13	46.4	2.8	7047	15	US-10-240-453-259
14	46.4	2.8	17848	15	US-10-239-676-28

C 15	46.4	2.8	17848	15	US-10-240-453-38	Sequence 38, Appl
C 16	46.4	2.8	17848	17	US-10-257-166-58	Sequence 58, Appl
C 17	45.6	2.7	37515	17	US-10-433-793-28	Sequence 28, Appl
C 18	45.4	2.7	6352	13	US-10-221-613-195	Sequence 195, Appl
C 19	45.2	2.7	616	16	US-10-027-632-233686	Sequence 233686,
C 20	45.2	2.7	616	13	US-10-027-632-233686	Sequence 233686,
C 21	45	2.7	502	10	US-09-814-353-17272	Sequence 17272, A
C 22	44.8	2.7	1271	9	US-09-938-842A-2829	Sequence 2829, Ap
C 23	44.8	2.7	1271	11	US-09-938-842A-2829	Sequence 2829, Ap
C 24	44.6	2.7	556	10	US-09-814-353-4676	Sequence 4676, Ap
C 25	44.6	2.7	556	10	US-09-814-353-10975	Sequence 10975, A
C 26	44.6	2.7	2000	9	US-09-938-842A-4038	Sequence 4038, Ap
C 27	44.6	2.7	2000	11	US-09-938-842A-4038	Sequence 4038, Ap
C 28	44.4	2.6	531	17	US-10-021-323-6375	Sequence 6375, Ap
C 29	44.2	2.6	449	13	US-10-424-599-31704	Sequence 31704, A
C 30	44.2	2.6	871	13	US-10-221-714A-424	Sequence 424, App
C 31	44.2	2.6	19734	15	US-10-311-455-1906	Sequence 1906, Ap
C 32	44.2	2.6	113515	15	US-10-311-455-2148	Sequence 2148, Ap
C 33	44	2.6	7498	15	US-10-311-455-230	Sequence 230, App
C 34	43.8	2.6	12643	13	US-10-424-599-4304	Sequence 4304, Ap
C 35	43.6	2.6	11473	15	US-10-311-455-1328	Sequence 1328, Ap
C 36	43.6	2.6	11473	17	US-10-257-166-112	Sequence 112, App
C 37	43.4	2.6	6533	15	US-10-240-453-257	Sequence 257, App
C 38	43.4	2.6	7008	13	US-10-221-714A-254	Sequence 254, App
C 39	43.4	2.6	15161	13	US-10-221-613-386	Sequence 386, App
C 40	43.4	2.6	640681	9	US-09-790-988-1	Sequence 1, Appli
C 41	43.2	2.6	392	13	US-10-621-901-138	Sequence 138, App
C 42	43.2	2.6	2938	15	US-10-198-846-9862	Sequence 9862, Ap
C 43	43.2	2.6	6175	15	US-10-311-455-1280	Sequence 1280, Ap
C 44	43	2.6	6244	15	US-10-311-455-458	Sequence 458, App
C 45	43	2.6	7244	13	US-10-221-714A-451	Sequence 451, App

ALIGNMENTS

RESULT 1
US-09-938-842A-3729
; Sequence 3729, Application US/09938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SCRIPI300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 3729
; LENGTH: 1677
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-3729

Query Match 100.0%; Score 1677; DB 9; Length 1677;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1677; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GGTAAAGCGTTTACTTATGTTTATATGCAACGGAAGATATTCCTATGTTGAATGC 60
DB 1 GGTAAAGCGTTTACTTATGTTTATATGCAACGGAAGATATTCCTATGTTGAATGC 60
QY 61 TTTTCACATCATCAAGGCTCCTACAGATTCTTAGGGAATGTTTCAGGCTTTGTTA 120

Db 61 TTTTTCAGATCATCARAGGCTCTTACAGATTTCTTAGGGAATGGTTTCAGGCTTTTCTTA 120
Qy 121 GAAATGTTGTTTATGTCAGAGTAGAGAACATTAACATAGACAGATGTATCTGAAGAGA 180
Db 121 GAAATGTTGTTTATGTCAGAGTAGAGAACATTAACATAGACAGATGTATCTGAAGAGA 180
Qy 181 TAAGCTTCTCTATGCTCTAAAGAAATGACCATACGAAATTAATAAACAAGCATCATTAAGAAT 240
Db 181 TAAGCTTCTCTATGCTCTAAAGAAATGACCATACGAAATTAATAAACAAGCATCATTAAGAAT 240
Qy 241 TAAATGTTGTTGTAAGAAATACTACACTTATTTATGTGAAATTTGTGTTAGTGAAGAAT 300
Db 241 TAAATGTTGTTGTAAGAAATACTACACTTATTTATGTGAAATTTGTGTTAGTGAAGAAT 300
Qy 301 AAAAATCGGAATCCAAACCTCAATTTACCAATCAGCCCAATTAATTCATGCTGCG 360
Db 301 AAAAATCGGAATCCAAACCTCAATTTACCAATCAGCCCAATTAATTCATGCTGCG 360
Qy 361 TAATGAATGTTATGCTGATGTTAGGCAAAAGTTGTTGCTGCGAAATTAACAATTAATC 420
Db 361 TAATGAATGTTATGCTGATGTTAGGCAAAAGTTGTTGCTGCGAAATTAACAATTAATC 420
Qy 421 CCTCTGTTGTCGACCCGAATCTGTAATCGGAAAGGTGGAACCCACTGTTTAACTTTT 480
Db 421 CCTCTGTTGTCGACCCGAATCTGTAATCGGAAAGGTGGAACCCACTGTTTAACTTTT 480
Qy 481 AAGCTTAAAGTTTACTACCGGTTTGACCGGTTTATAATTTGTTTAACTTTTAACTCCC 540
Db 481 AAGCTTAAAGTTTACTACCGGTTTGACCGGTTTATAATTTGTTTAACTTTTAACTCCC 540
Qy 541 GGATCCGTTTGTGTTGTTTAACTCAAGGCCACGTTATCGGCAATATTTGATTTTGAATG 600
Db 541 GGATCCGTTTGTGTTGTTTAACTCAAGGCCACGTTATCGGCAATATTTGATTTTGAATG 600
Qy 601 GGTAGGAATGTTGGGTCGAATAGTTGGGCTTAGCCCTCAACATGTGTGAACCTGAAG 660
Db 601 GGTAGGAATGTTGGGTCGAATAGTTGGGCTTAGCCCTCAACATGTGTGAACCTGAAG 660
Qy 661 AGAGTAGGTCAGCTCAGGCCCAATTCACATTTTGTGTTGTCAGCTTTCTTTCTGG 720
Db 661 AGAGTAGGTCAGCTCAGGCCCAATTCACATTTTGTGTTGTCAGCTTTCTTTCTGG 720
Qy 721 TGCTTACGCTCCTCTTCTGTTGCTGATGTCAGTATGTCAGTATGTCAGTATGTCAGTAT 780
Db 721 TGCTTACGCTCCTCTTCTGTTGCTGATGTCAGTATGTCAGTATGTCAGTATGTCAGTAT 780
Qy 781 CCGGAAACAAAGTACCAACGAATCAAAATTAAGTTTGAATCGGTTTACATCTAGTTACCGTCG 840
Db 781 CCGGAAACAAAGTACCAACGAATCAAAATTAAGTTTGAATCGGTTTACATCTAGTTACCGTCG 840
Qy 841 AACTTACATCATTTTCGATTACTTCTGATCTGATTTCTGATTTCTGATTTGTTTAAATAT 900
Db 841 AACTTACATCATTTTCGATTACTTCTGATCTGATTTCTGATTTCTGATTTGTTTAAATAT 900
Qy 901 CCGGATTGTACAGTACCAAGTACATAAGTATGCTATATGATGATGACCGGTTTAAATC 960
Db 901 CCGGATTGTACAGTACCAAGTACATAAGTATGCTATATGATGATGACCGGTTTAAATC 960
Qy 961 AAGGACGACGATAGAGGATTTTGAATCTCGGAAAGAGGATTTTCCATAGACACTA 1020
Db 961 AAGGACGACGATAGAGGATTTTGAATCTCGGAAAGAGGATTTTCCATAGACACTA 1020
Qy 1021 ATTAGCTTTTGTGGCGAGCTTGTGACCTACATTAATGAGGTCACCAACCAAGTATG 1080
Db 1021 ATTAGCTTTTGTGGCGAGCTTGTGACCTACATTAATGAGGTCACCAACCAAGTATG 1080
Qy 1081 GGCTTACAGCTTTTCCATAAAATTAAGTAAATCTTTTTCCTTAAACCAATAAAAT 1140
Db 1081 GGCTTACAGCTTTTCCATAAAATTAAGTAAATCTTTTTCCTTAAACCAATAAAAT 1140
Qy 1141 ATTGAAATCTTCCACCATAGAAAGTTAAATTTGATCAGCGATGGAATTTTGTAC 1200
Db 1141 ATTGAAATCTTCCACCATAGAAAGTTAAATTTGATCAGCGATGGAATTTTGTAC 1200

Qy 1201 AAAGCTAGGTATTTTCTTGGAGTGTTACTAGTAACTAGTAACTAAACAGATGAGT 1260
Db 1201 AAAGCTAGGTATTTTCTTGGAGTGTTACTAGTAACTAGTAACTAAACAGATGAGT 1260
Qy 1261 TTCTGATTTTGGATTTTGAAGCTTTTCTTAGGTTTAAAGAAACAAAGTATATTAATAACAAT 1320
Db 1261 TTCTGATTTTGGATTTTGAAGCTTTTCTTAGGTTTAAAGAAACAAAGTATATTAATAACAAT 1320
Qy 1321 AAAAGAAACAACTTTTCTGAAAGAGAAATAAAGTTTACTGAGACCCCAATTTGATGATGAG 1380
Db 1321 AAAAGAAACAACTTTTCTGAAAGAGAAATAAAGTTTACTGAGACCCCAATTTGATGATGAG 1380
Qy 1381 TCCCATATATATCTGATAGAGATAGAGCAATGGAAGTGAATTTTCTGATGATGATGATGATG 1440
Db 1381 TCCCATATATATCTGATAGAGATAGAGCAATGGAAGTGAATTTTCTGATGATGATGATGATG 1440
Qy 1441 TCGGAATGTTTCTTTTAAAGCTCATCGAACACATCAGGACCGTTGATTTTCCCGCATCAA 1500
Db 1441 TCGGAATGTTTCTTTTAAAGCTCATCGAACACATCAGGACCGTTGATTTTCCCGCATCAA 1500
Qy 1501 AAAGCGTTGAATCTATTTCTCACTTTTCTGCTCTATATATATATATATATATATATATAT 1560
Db 1501 AAAGCGTTGAATCTATTTCTCACTTTTCTGCTCTATATATATATATATATATATATATAT 1560
Qy 1561 ACATTAGTAACTCTTCTTGGAGCTGTAACGCGTTAAACGATTTCTTCCCATTTCTATCC 1620
Db 1561 ACATTAGTAACTCTTCTTGGAGCTGTAACGCGTTAAACGATTTCTTCCCATTTCTATCC 1620
Qy 1621 GCTTTTAAACACTCTCGTCGTCATCTCCACCGTCCGTTTCTCTCAGCTATATTTTA 1677
Db 1621 GCTTTTAAACACTCTCGTCGTCATCTCCACCGTCCGTTTCTCTCAGCTATATTTTA 1677

RESULT 2

US-09-938-842A-3729
; Sequence 3729, Application US/09938842A
; Publication No. US20040009476A9
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SAME, AND METHODS OF USE
; FILE REFERENCE: SCRIPT300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 3729
; LENGTH: 1677
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-3729

Query Match 100.0%; Score 1677; DB 11; Length 1677;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1677; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGTAAAGCGTTTACTTATGTTTATATGCAACGGAAGATATTTGCCATTTGTTGGAATGC 60
Db 1 GGTAAAGCGTTTACTTATGTTTATATGCAACGGAAGATATTTGCCATTTGTTGGAATGC 60
Qy 61 TTTTTCAGATCATCAAGGCTCTACAGATTTCTTAGGGAATGTTTCAGGCTTTTGTGA 120
Db 61 TTTTTCAGATCATCAAGGCTCTACAGATTTCTTAGGGAATGTTTCAGGCTTTTGTGA 120

Qy	121	GAATTTGTTTATTTGCAACAGGTTAGAGAA	CATAACCATAGACAGATGTATCTGAAGAGA	180
Db	121	GAATTTGTTTATTTGCAACAGGTTAGAGAA	CATAACCATAGACAGATGTATCTGAAGAGA	180
Qy	181	TAAGCTTCTCTATGTTCTAAAGAAATGGAC	CCGATACGAAATAAAACAAGCATCATTTAAAGAT	240
Db	181	TAAGCTTCTCTATGTTCTAAAGAAATGGAC	CCGATACGAAATAAAACAAGCATCATTTAAAGAT	240
Qy	241	TAAATGGTTTGTAAAGAAATCTACATTTAT	TATTTATGTGAAATTTGTCTGTTAGTGAAGAAGT	300
Db	241	TAAATGGTTTGTAAAGAAATCTACATTTAT	TATTTATGTGAAATTTGTCTGTTAGTGAAGAAGT	300
Qy	301	AAAAACATCGAAATCCAAAACTCAAAATTT	ACAAATAGCCCAAAATTAATGATGCTGCGC	360
Db	301	AAAAACATCGAAATCCAAAACTCAAAATTT	ACAAATAGCCCAAAATTAATGATGCTGCGC	360
Qy	361	TAATGAATGGTATGCTGATGTAGGCAAAAG	TGTTGCTCGGAAATTTACAAATATC	420
Db	361	TAATGAATGGTATGCTGATGTAGGCAAAAG	TGTTGCTCGGAAATTTACAAATATC	420
Qy	421	CCTCTGTGGTGGACCCGAATCTGTAATCG	GAAGAGGTGGAACCCACTTTGGTTAACTTTT	480
Db	421	CCTCTGTGGTGGACCCGAATCTGTAATCG	GAAGAGGTGGAACCCACTTTGGTTAACTTTT	480
Qy	481	AAGCCTAAAGGTTACTACCGGTTTGACCGG	TTTATAAATTTGGTGTTTAAATCTTAATCCC	540
Db	481	AAGCCTAAAGGTTACTACCGGTTTGACCGG	TTTATAAATTTGGTGTTTAAATCTTAATCCC	540
Qy	541	GGATCCGTTCTTTGTTAAATCTCAAGGCC	ACGTTATCGCCAAATTTTGATTTTTGAGTG	600
Db	541	GGATCCGTTCTTTGTTAAATCTCAAGGCC	ACGTTATCGCCAAATTTTGATTTTTGAGTG	600
Qy	601	GGTAGGGAATGGTGGGTCGAATAGTTGGG	CGCTAGCCCTCAACAATGTGTGGAATCTGAAG	660
Db	601	GGTAGGGAATGGTGGGTCGAATAGTTGGG	CGCTAGCCCTCAACAATGTGTGGAATCTGAAG	660
Qy	661	AGATAGGTCACAGTCAGGCCACAATTC	CAATTTTGGTTGTAGCCTTTCTTTCTCG	720
Db	661	AGATAGGTCACAGTCAGGCCACAATTC	CAATTTTGGTTGTAGCCTTTCTTTCTCG	720
Qy	721	TGCTTAGGTCCTTCCTTCGTCGGTCGTAT	GTACAGTAGCATAGCTAGTGTTCAAA	780
Db	721	TGCTTAGGTCCTTCCTTCGTCGGTCGTAT	GTACAGTAGCATAGCTAGTGTTCAAA	780
Qy	781	CCCGAAACAGTACCAACGAATCAAAATA	AGTTTGAATCGGTTACATCTAGTTACCGTCG	840
Db	781	CCCGAAACAGTACCAACGAATCAAAATA	AGTTTGAATCGGTTACATCTAGTTACCGTCG	840
Qy	841	AACTTACAATCATTTTCAATTTCTTTGAT	CTGATTTCTAGTTTCGGTTGTATGTTTAAAT	900
Db	841	AACTTACAATCATTTTCAATTTCTTTGAT	CTGATTTCTAGTTTCGGTTGTATGTTTAAAT	900
Qy	901	CCGGATTGTACAAGTACACAGTACATAAG	TATCGGTATATGTATGTGACCGGTTTAAATC	960
Db	901	CCGGATTGTACAAGTACACAGTACATAAG	TATCGGTATATGTATGTGACCGGTTTAAATC	960
Qy	961	AAAGGACGGACGATPAGGAGGATTTTGG	AATCTCTGGAAGAGGATTTTCCATAGACACTA	1020
Db	961	AAAGGACGGACGATPAGGAGGATTTTGG	AATCTCTGGAAGAGGATTTTCCATAGACACTA	1020
Qy	1021	ATTAGCTTTTGTGGGCGACCTTGTGACCT	ACATTAATGGGGTCCAAACCCCAAGTATG	1080
Db	1021	ATTAGCTTTTGTGGGCGACCTTGTGACCT	ACATTAATGGGGTCCAAACCCCAAGTATG	1080
Qy	1081	GGCTTACAGCTTTTCCATAAATTAAGTA	AAATCTTTTTTGGCTTAACCAATAAAAT	1140
Db	1081	GGCTTACAGCTTTTCCATAAATTAAGTA	AAATCTTTTTTGGCTTAACCAATAAAAT	1140
Qy	1141	ATTGAAATCTTCCCAACCATAGAAAAAG	TTAAATTTGATCAGCGCATGGAATTTTCTGAC	1200
Db	1141	ATTGAAATCTTCCCAACCATAGAAAAAG	TTAAATTTGATCAGCGCATGGAATTTTCTGAC	1200
Qy	1201	AAAGCTAGGTATTTCATTTTGGGAGTG	TACTAGTAACTAGTAAGTACTTAAACAGAAATG	1260

[illegible]

RESULT 3

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US-09-887-576-73/c
; Sequence 73, Application US/09887576
; Patent No. US20020144047A1
; GENERAL INFORMATION:
; APPLICANT: Budworth, P.
; APPLICANT: Brown, D.
; APPLICANT: Chang, H.
; APPLICANT: Zhu, T.
; APPLICANT: Han, B.
; APPLICANT: Wang, X.
; APPLICANT: Cooper, Bret
; TITLE OF INVENTION: Promoters for regulation of plant expression
; FILE REFERENCE: 1360.001US1
; CURRENT APPLICATION NUMBER: US/09/887,576
; CURRENT FILING DATE: 2001-06-25
; PRIOR APPLICATION NUMBER: US 60/213,848
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/214,087
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/258,692
; PRIOR FILING DATE: 2000-12-29
; NUMBER OF SEQ ID NOS: 875
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 73
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-887-576-73

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	Query Match 3.1%; Score 52.4; DB 9; Length 2000; Best Local Similarity 47.1%; Pred. No. 0.075; Matches 161; Conservative 0; Mismatches 181; Indels 0; Gaps 0;
Qy	1075 AGTATGGGCTTACAGCTTTTTCATATAAATAAGTAAATCTTTTTTGCTTAACCAATA 1134
Db	1019 ATTAGGTTCGTACTCTTTAACTATATAAAAAAATAAACTATATGAATGCATATGAATG 960
Qy	1135 AAAATTATTGAAATCTTTCCAACCATAGAAAAAGTTAAATTTGCATAGCGATGGAATTT 1194
Db	959 AGAAATTGAAGTACGAAACAGGTCCTTAAACCTGTTCTTATTTATTGGTATGCATATCAT 900

QY 1195 TTGTACAAAGCTAGGATTTTCATTTGGGAGTGTTACTAGTAACTAGTAACTAACTAACCCAGA 1254
Db 899 TTCAAACCTTGAGAAATATTAGCATTAATAACTCTACACGAAAAAATAAACTTGCAATAC 840
QY 1255 ATGAGTTTCTGATTTTGGATTTTGAAGCTTTTCTTAGGTTAAATAACCAAGATATATCTA 1314
Db 839 AAGTGTTTTTTTTTTTTTTTTTTTGAACACGTTAAAGAACCGAACTTTGATCAGTTATTA 780
QY 1315 AACATAAAGAAAAACATTTTGTGAAAGAGAAATAAAGTTTACTGACCCCATTTGAC 1374
Db 779 GACAAGCGAAGCTACCCCTTGTTGTTGTGATCCTATATATAAGTTTTCACGGAAC 720
QY 1375 AGATGCTCCCATATAATACTGATAGAGATAGACCAATGGA 1416
Db 719 GCCCTGACGGTTTAATCGCATCGTAGAAGAAAGATCCGTCGA 678

RESULT 4

US-10-198-846-7035/c
; Sequence 7035, Application US/10198846
; Publication No. US20030099974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 7035
; LENGTH: 858
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 137, 182, 183, 184, 185, 186, 187, 188, 209, 211, 212, 217,
; LOCATION: 219, 224, 225, 236, 237, 238, 240, 241, 242, 248, 250, 252,
; LOCATION: 253, 259, 276, 279, 281, 294, 298, 304, 306, 315, 318, 319,
; LOCATION: 320, 321, 327, 338, 349, 350, 352, 355, 363, 378, 379
; OTHER INFORMATION: n = A,T,C or G
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 380, 386, 389, 393, 398, 399, 400, 408, 410, 414, 434, 441,
; LOCATION: 443, 446, 451, 459, 466, 488, 490, 497, 498, 499, 501, 503,
; LOCATION: 506, 509, 513, 517, 526, 527, 528, 529, 536, 550, 557, 562,
; LOCATION: 564, 565, 573, 576, 588, 599, 604, 607, 616, 617, 619
; OTHER INFORMATION: n = A,T,C or G
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 627, 628, 643, 649, 661, 668, 672, 680, 689, 698, 705, 719,
; LOCATION: 722, 735, 739, 750, 763, 765, 769, 771, 772, 774, 784, 787,
; LOCATION: 790, 791, 792, 795, 798, 805, 814, 816, 819, 820, 822, 830,
; LOCATION: 832, 833, 838, 842, 847, 849, 850, 853, 856, 857
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-7035

Query Match 3.0%; Score 49.6; DB 15; Length 858;
Best Local Similarity 42.1%; Pred. No. 0.22;
Matches 118; Conservative 0; Mismatches 162; Indels 0; Gaps 0;
QY 1088 AGCTTTTTCATATAAATAAGTAAATCTTTTTCCTACCAATAAAAAATTTATTTGAAA 1147
Db 382 ATNNNTTGGAAAAAATATAAAAAAANTTNGNGGAATTAANAATTTTTTTTAAAAA 323
QY 1148 ATCTTCCAAACCATAGAAAAAGTTAAATTTGATCAGCATGGAATTTTGTACAAAGCTA 1207

Db 322 GNNNNCAAAATTAANNTNTTTTNGTTTAAAAAATAAANNTNTTTTAAATTTT 263
QY 1208 GGTATTTTCATTTGGGAGTGTTACTAGTAACTAGTAACTAACCCAGAATGAGTTTCTGAT 1267
Db 262 AAGNTTTTANNANANATTTTNNNNNNNTAAATTTTTTNTTAAANNTAAANNCTTTTTT 203
QY 1268 TTTCGATTTTGAAGCTTTTCTTAGGTTAAAAAACAAGTATATTTACTAAACAATAAAAGAA 1327
Db 202 TTTTTTTTTTATAANNNNNNAAAAAATAAATAAATAAATAAATAAATAAATAAATAA 143
QY 1328 AAACATTTTGTGAAAAGAAATAAAGTTTACTGACCC 1367
Db 142 AAAAANAAGAAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 103

RESULT 5

US-10-312-841-2/c
; Sequence 2, Application US/10312841
; Publication No. US20030186277A1
; GENERAL INFORMATION:
; APPLICANT: Epigenomics AG
; TITLE OF INVENTION: Diagnose von bedeutenden genetischen Parametern innerhalb des MHC
; FILE REFERENCE: E01/1208/WO
; CURRENT APPLICATION NUMBER: US/10/312,841
; CURRENT FILING DATE: 2002-12-30
; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 2
; LENGTH: 3673778
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (379615)
US-10-312-841-2

Query Match 2.9%; Score 49.2; DB 15; Length 3673778;
Best Local Similarity 49.2%; Pred. No. 27;
Matches 129; Conservative 0; Mismatches 133; Indels 0; Gaps 0;
QY 1096 CCATATAAATAAGTAAATCTTTTTCCTACCAATAAATAATTTGAAATCTTCC 1155
Db 2005659 CCATATAAATCTTAAAAAACCCTTAATCTTAACCCCAAAAAATTTCCAAACTATAA 2005600
QY 1156 AACCATAGAAAAGTTAAATTTGATCAGCATGGAATTTTGTACAAAGTAGTATTC 1215
Db 2005599 CGACAAACCCAAACAAAAACAATAAATAAATAAATAAATAAATAAATAAATAA 2005540
QY 1216 ATTTGGGAGTGTTACTAGTAACTAGTAACTAACCCAGAATGAGTTTCTGATTTGGATT 1275
Db 2005539 ATATATAAAACATACCTTAATACATAATAAATAAATAAATAAATAAATAAATAA 2005480
QY 1276 TTGAAGCTTTCTTAGTTAAAAACAAGTATATTTACTAAACAATAAAGAAAAACATTT 1335
Db 2005479 TCATAAATAATTAATTAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 2005420
QY 1336 TGTGAAAAGAGAAATAAAGTTT 1357
Db 2005419 ACCAAAAAATAAATAAATAAATTT 2005398

RESULT 6

US-10-312-841-1/c
; Sequence 1, Application US/10312841
; Publication No. US20030186277A1
; GENERAL INFORMATION:
; APPLICANT: Epigenomics AG
; TITLE OF INVENTION: Diagnose von bedeutenden genetischen Parametern innerhalb des MHC
; FILE REFERENCE: E01/1208/WO
; CURRENT APPLICATION NUMBER: US/10/312,841
; CURRENT FILING DATE: 2002-12-30

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; NUMBER OF SEQ ID NOS: 2
; SEQ ID NO 1
; LENGTH: 3673778
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; NAME/KEY: unsure
; LOCATION: (3294164)
US-10-312-841-1

Query Match      2.9%; Score 49; DB 15; Length 3673778;
Best Local Similarity 47.0%; Pred. No. 30;
Matches 151; Conservative 0; Mismatches 170; Indels 0; Gaps 0;

QY 1092 TTTTCCATAAAATAAGTAATCTTTTTCCTTAACCAATAAAATTTATGAAATCT 1151
Db 2587593 TTATCCCATATTTTAAATAAATAAAACTAAATAATCAAAATCATTTCTCAAAAATAA 2587534

QY 1152 TTCACCATAGAAAAGTTAAATTTGATCAGCGATGGAAATTTTGTACAAAAGCTAGGTA 1211
Db 2587533 AAAAAATAAATTAATAATAAATAAATAAATTTTACTAACTCTTCATCTTCCAC 2587474

QY 1212 TTTCATTTGGGAGTGCTACTAGTACTAGTAACTAACCAAGATGATTTCTGATTTTG 1271
Db 2587473 TATCATTTTAAATATTATAACAATAATTTTAAACAATAAATAAATAAATTTCTAATTA 2587414

QY 1272 GATTTTGAAGCTTTTCTTAGGTTAAAAAACAAGTATATTACTAACCAATAAAGAAAAAC 1331
Db 2587413 AAATTAATAAATAAATAAACCCTAAAAAATAAATAAATAAATAAATAAATAAATAA 2587354

QY 1332 ATTTTGTGAAAAGAAATAAAGTTTACTGACCCCTTGTACAGATGGTCCCAATAATA 1391
Db 2587353 ACAATAACAAAAATAAATAACAATTTTAAAAAATAAATAAATAAATAAATAAATAA 2587294

QY 1392 TACTGTAGAGATAGAGCAA 1412
Db 2587293 CAATAAATAAATAAATAAATAA 2587273

RESULT 7
US-10-433-793-154
; Sequence 154, Application US/10433793
; Publication No. US20040142334A1
; GENERAL INFORMATION:
; APPLICANT: Epigenomics AG
; TITLE OF INVENTION: Diagnose von mit Angiogenese assoziierten Krankheiten
; FILE REFERENCE:
; CURRENT APPLICATION NUMBER: US/10/433,793
; CURRENT FILING DATE: 2003-06-06
; NUMBER OF SEQ ID NOS: 212
; SEQ ID NO 154
; LENGTH: 20933
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
US-10-433-793-154

Query Match      2.9%; Score 48.6; DB 17; Length 20933;
Best Local Similarity 56.6%; Pred. No. 2.2;
Matches 90; Conservative 0; Mismatches 69; Indels 0; Gaps 0;

QY 1091 TTTTCCATAAAATAAGTAATCTTTTTCCTTAACCAATAAAATTTATGAAATC 1150
Db 1180 TTTTATAAATTAATAGATAAATAATTTTAAAGAAAATAAGTAAGAAATAAATCG 1239

QY 1151 TTTCACCATAGAAAAGTTAAATTTGATCAGCGATGGAAATTTTGTACAAAAGCTAGGT 1210
Db 1240 TTTATAAAGATATAATTTTTTTATTAGATGTGAATAGTTATTTTAATATATGTAGTT 1299

QY 1211 ATTTTCATTTGGGAGTGCTACTAGTAACTAGTAACTAA 1249
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||||| 1300 TTTTAAGTTGGAGTAAATAGTAAATTTTAAATTTAA 1338

Db 1300 TTTTAAGTTGGAGTAAATAGTAAATTTTAAATTTAA 1338

RESULT 8
US-09-938-842A-338/c
; Sequence 338, Application US/09938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SCRIPI300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 338
; LENGTH: 2958
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-338

Query Match      2.9%; Score 47.8; DB 9; Length 2958;
Best Local Similarity 50.7%; Pred. No. 1.2;
Matches 115; Conservative 0; Mismatches 112; Indels 0; Gaps 0;

QY 1228 ACTAGTAACCTAGTAAGTACTAACCAAGATTCCTGATTTTGGATTTTGAAGCTTTTC 1287
Db 410 ATTAGCAACTAGCTAGTAAATAGTGTTTTGTAGTTTACAAAGTATTTTACAGGGTTCTATC 351

QY 1288 TTAGGTTAAAAACAAGTATATTACTAAACAATAAAGAAAAACATTTTGTGAAAAGAGA 1347
Db 350 ATAAATAAAGAAGGATAATATTACTAAATAGCCAAAAAACAACAGTAAATAGCAGA 291

QY 1348 AATAAAGTTTACTGGACCCCATTTGTACAGATGGTCCCATTAATATCTAGTAAAGATAG 1407
Db 290 GAGAAAGGTTTGTGTGCAAAATTAGTCATGAACCTCAATTATCAAAACGAGGTGAAATGAC 231

QY 1408 AGCAATGGAAGTGAATTTGTTCACGTGGTACAATCGAATGGTTCCTT 1454
Db 230 AAAACAATCCTTCGTTGTTGCAAGTTCAACAGTAGGCGAGACACTT 184

RESULT 9
US-09-938-842A-338/c
; Sequence 338, Application US/09938842A
; Publication No. US20040009476A9
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SCRIPI300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
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	Query Match	2.8%;	Score 46.6;	DB 13;	Length 789;
	Best Local Similarity	48.0%;	Pred. No. 1.1;	Indels 0;	Gaps 0;
	Matches 133;	Conservative 0;	Mismatches 144;		
QY	1074	AAATGATGGCGCTACAGCTTTTCCATAAAATTAAGTAAATCTTTTTTGGCTTAACCAAT	1133		
DB	52	AAAAGGCGCTTAGCTTAGATGATATAAAATCAAAATCGAATTCCTTTAAATTTAGATAAG	111		
QY	1134	AAAAATTATGAAATCTTCCAAACATAGAAAGTTAAATTTTGATCAGCGATGGAAATT	1193		
DB	112	AGAAATTTTAAAGAGCTCTCGAAAAAGAAATATATCTATAATGACGAAATTAAG	171		
QY	1194	TTTGTAACAAGCTAGGTATTTTCATTTGGGAGTGTACTAGTAACTAGTAACTACCAG	1253		

Db 172 GCATCACATCTAAGGAGTATTAAAGGAGAGATTTAATCCGTAAATAAGGACAAATT 231
QY 1254 AATGAGTTTCTGATTTTGGATTTTGAAGCTTTTCTTAGGTTTAAAAACAAGTATATTACT 1313
Db 232 TATGAATATATAACATAGATGCAGTGTGATTTCTACGGAAGAAATATTTCCTGGGA 291
QY 1314 AACATATAAGAAAGAAACATTTTGTGAAAGAGAAAT 1350
Db 292 AAAAATGAATACATTAAGATTTGTAAGAGAGTGAAT 328
RESULT 12
US-10-021-323-8212
; Sequence 8212, Application US/10021323
; Publication No. US20040123340A1
; GENERAL INFORMATION:
; APPLICANT: Deikman, Jill
; APPLICANT: Feng, Paul C.C.
; APPLICANT: Ziegler, Todd E.
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; FILE REFERENCE: 38-21(52274)B
; CURRENT APPLICATION NUMBER: US/10/021,323
; PRIOR FILING DATE: 2001-12-12
; PRIOR APPLICATION NUMBER: US 60/255, 619
; NUMBER OF SEQ ID NOS: 17880
; SEQ ID NO 8212
; LENGTH: 610
; TYPE: DNA
; ORGANISM: Gossypium hirsutum
; FEATURE:
; OTHER INFORMATION: Clone ID: LIB3828-007-Q1-K6-G2
US-10-021-323-8212
Query Match 2.8%; Score 46.4; DB 17; Length 610;
Best Local Similarity 53.3%; Pred. No. 1.1;
Matches 98; Conservative 0; Mismatches 86; Indels 0; Gaps 0;
QY 1169 TTAATTTGATCAGCGATGGAATTTTGTACAAAGCTAGTATTTTCATTTGGAGTGTA 1228
Db 152 TTGAGTTCAATGCTAGTATGGAATTTTGTCCAGATTTTGAATTTTAATTTCTCATGTT 211
QY 1229 CTAGTAAGTACTAGTACTACCAAGATGATTTCTGATTTTGAATTTTGAAGCTTTTCT 1288
Db 212 ATAAAAACATTAATGTGGAATTCACATTTTATTTGTTATGTTTCTAGTGTTTTATCTTAT 271
QY 1289 TAGGTTAAAAACAAGTATATTACTAAACAATAAGAAAAACATTTTGTGAAAAAGAGAA 1348
Db 272 TAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAAAAAGAAA 331
QY 1349 ATAA 1352
Db 332 AAAA 335
RESULT 13
US-10-240-453-259
; Sequence 259, Application US/10240453
; Publication No. US20030148326A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA
; FILE REFERENCE: Transcription
; TITLE OF INVENTION: by Means of Assessing the Methylation Status of Genes Associated
; FILE REFERENCE: With DNA Transcription
; CURRENT APPLICATION NUMBER: US/10/240,453
; PRIOR FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03973

; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; NUMBER OF SEQ ID NOS: 350
; SEQ ID NO 259
; LENGTH: 7047
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; NAME/KEY: unsure
; LOCATION: (182)
US-10-240-453-259
Query Match 2.8%; Score 46.4; DB 15; Length 7047;
Best Local Similarity 49.7%; Pred. No. 4.1;
Matches 145; Conservative 0; Mismatches 146; Indels 1; Gaps 1;
QY 1084 TTACAGCTTTTCCATAAAATTAAGTAAATCTTTTTCGCTTACCAATAAAAAATTATT 1143
Db 3514 TTATATATGATATATGTTATGTTTGTAGGAATGTTATTTTGTAGTATTTTGTAGAGAA 3573
QY 1144 GAAAAATCTTTCCAAACCATAGAAAAGTTAAATTTTCATCAGCGATCGAAATTTTGTACAAA 1203
Db 3574 GAAATTTGGTATTATATA-AAAATTTGTATAGAAATGTTTATAGTAGTTTATTGTAA 3632
QY 1204 GCTAGGTATTTTCATTTGGGAGTGTACTAGTAAGTACTTAACCAAGATGAGTTTC 1263
Db 3633 TGTGCGAAATTTCTAGGTAATTTATATATTTTATTTTGTGGTTAAATAAATTTGTTG 3692
QY 1264 TGATTTTGGATTTTGAAGCTTTTCTTAGGTTAAAAACAAGTATATTACTAAACAATAAA 1323
Db 3693 TTATGTTATTTATGGAATATTGTTTATTGTTGTAATAAAATTCGATTTATTGATATTATA 3752
QY 1324 AGAAAAACATTTTGTGAAAAGAGAAAATAAAGTTTACTGGACCCCATTTGTACA 1375
Db 3753 ATAATTTAATAAATTTTAAGGGAATTAATGTTGAGTGAATAAATATTADAAA 3804
RESULT 14
US-10-239-676-28/c
; Sequence 28, Application US/10239676
; Publication No. US20030082609A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with Gene Regulation
; FILE REFERENCE: 5013.1003
; CURRENT APPLICATION NUMBER: US/10/239,676
; PRIOR FILING DATE: 2002-09-24
; PRIOR APPLICATION NUMBER: PCT/EP01/03968
; DE 10019058.8
; DE 10019173.8
; DE 10032529.7
; DE 10043826.1
; PRIOR FILING DATE: 2001-04-06
; 2000-04-06
; 2000-04-07
; 2000-06-30
; 2000-09-01
; NUMBER OF SEQ ID NOS: 228
; SEQ ID NO 28
; LENGTH: 17848
; TYPE: DNA
; ORGANISM: Artificial Sequence

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FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (6075, 8510, 8516, 8680, 9019, 15666)
US-10-239-676-28

Query Match      2.8%; Score 46.4; DB 15; Length 17848;
Best Local Similarity 45.6%; Pred. No. 6.8; Indels 0; Gaps 0;
Matches 164; Conservative 0; Mismatches 196; Indels 0; Gaps 0;

QY 1088 AGCTTTTCCATAAAATTAAGTAATCTTTTTCCTTAACCAATAAAATTTATTGAAA 1147
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 10047 AACTTAAAAAACAATTTTAAAAATATTAAAAATAAAACCTAATTAATAATAAATTCAA 9988
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1148 ATCTTTCCACCATAGAAAAAGTTAAATTTTGATCAGCGATGGAATTTTGTACAAAGCTA 1207
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 9987 AAAAAATAAAAAATAAAAAATAAAATTAATAAATACTAAAAATTTTAAAAAATAAATC 9928
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1208 GGTATTTTCATTTGGGAGTGTAAGTAAGTAACTAGTAAGTAACTAACCCAGATGAGTTTCTGAT 1267
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 9927 ATAAATTAATACTAAAAATTAATAAATAAAATAAATAAATAAATAAATAAATAAATAAATAA 9868
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1268 TTTGGATTTTGAAGCTTTTCTTAGGTTAAAAAACAAGTATATTACTAAACAATAAAAGAA 1327
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 9867 TATAAAAAAATAAACAATATTTTAAATTAACAAAAATAATCTAATAAAAAAATAAATAA 9808
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1328 AAACATTTTGTGAAAGAGAAATAAAGTTTACTGGACCCCATTTGTACAGATGGTCCCAT 1387
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 9807 AATTAAATAATCGAAACAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 9748
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1388 ATAATACTGATAGAGATAGACCAATGGAAGTGAATTTGTTCCAGTGGTACAAATCGGAAT 1447
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 9747 AAATCTATTACCAATAAAAAATAAATTAATCTTAACATAAAACACAATTCATCCCTAAT 9688
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 15
US-10-240-453-38/c
; Sequence 38, Application US/10240453
; Publication No. US20030148326A1
; GENERAL INFORMATION:
; APPLICANT: OLEK, Alexander
; APPLICANT: PIEPENBROCK, Christian
; APPLICANT: BERLIN, Kurt
; TITLE OF INVENTION: Diagnosis of Diseases Associated with DNA
; TITLE OF INVENTION: Transcription
; TITLE OF INVENTION: By Means of Assessing the Methylation Status of Genes Associated
; FILE REFERENCE: 5013.1009
; CURRENT APPLICATION NUMBER: US/10/240,453
; CURRENT FILING DATE: 2002-10-02
; PRIOR APPLICATION NUMBER: PCT/EP01/03973
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: DE 10019058.8
; PRIOR FILING DATE: 2000-04-06
; PRIOR APPLICATION NUMBER: DE 10019173.8
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: DE 10032529.7
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: DE 10043826.1
; PRIOR FILING DATE: 2000-09-01
; NUMBER OF SEQ ID NOS: 350
; SEQ ID NO 38
; LENGTH: 17848
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: chemically treated genomic DNA (Homo sapiens)
; FEATURE:
; NAME/KEY: unsure
; LOCATION: (6075, 8510, 8516, 8680, 9019, 15666)
US-10-240-453-38
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Query Match      2.8%; Score 46.4; DB 15; Length 17848;
Best Local Similarity 45.6%; Pred. No. 6.8; Indels 0; Gaps 0;
Matches 164; Conservative 0; Mismatches 196; Indels 0; Gaps 0;

QY 1088 AGCTTTTCCATAAAATTAAGTAATCTTTTTCCTTAACCAATAAAATTTATTGAAA 1147
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 10047 AACTTAAAAAACAATTTTAAAAATATTAAAAATAAAACCTAATTAATAATAAATTCAA 9988
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1148 ATCTTTCCACCATAGAAAAAGTTAAATTTTGATCAGCGATGGAATTTTGTACAAAGCTA 1207
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 9987 AAAAAATAAAAAATAAAAAATAAAATTAATAAATACTAAAAATTTTAAAAAATAAATC 9928
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1208 GGTATTTTCATTTGGGAGTGTAAGTAAGTAACTAGTAAGTAACTAACCCAGATGAGTTTCTGAT 1267
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 9927 ATAAATTAATACTAAAAATTAATAAATAAAATAAATAAATAAATAAATAAATAAATAAATAA 9868
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1268 TTTGGATTTTGAAGCTTTTCTTAGGTTAAAAAACAAGTATATTACTAAACAATAAAAGAA 1327
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 9867 TATAAAAAAATAAACAATATTTTAAATTAACAAAAATAATCTAATAAAAAAATAAATAA 9808
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1328 AAACATTTTGTGAAAGAGAAATAAAGTTTACTGGACCCCATTTGTACAGATGGTCCCAT 1387
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 9807 AATTAAATAATCGAAACAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA 9748
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 1388 ATAATACTGATAGAGATAGACCAATGGAAGTGAATTTGTTCCAGTGGTACAAATCGGAAT 1447
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 9747 AAATCTATTACCAATAAAAAATAAATTAATCTTAACATAAAACACAATTCATCCCTAAT 9688
Db      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
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Search completed: August 7, 2004, 10:17:59
Job time : 815.105 secs

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OM nucleic - nucleic search, using sw model

Run on: August 7, 2004, 06:55:53 ; Search time 129.376 Seconds
(without alignments)
7193.420 Million cell updates/sec

Title: US-09-938-842A-3729

Perfect score: 1677

Sequence: 1 ggtaagcggtttactatg.....tttctcagctatattta 1677

Scoring table: OLIGO NUC

Gapop_60.0 , Gapext 60.0

Searched: 682709 seqs, 277475446 residues

Word size : 0

Total number of hits satisfying chosen parameters: 1365418

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database : Issued Patents NA:*

- 1: /cgn2_6/prodata/2/ina/5A COMB.seq:*
- 2: /cgn2_6/prodata/2/ina/5B COMB.seq:*
- 3: /cgn2_6/prodata/2/ina/6A COMB.seq:*
- 4: /cgn2_6/prodata/2/ina/6B COMB.seq:*
- 5: /cgn2_6/prodata/2/ina/PCBUS COMB.seq:*
- 6: /cgn2_6/prodata/2/ina/backfileseq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	* Match	Query Length	ID	Description
C 1	19	1.1	400	4	US-08-956-171E-3898
C 2	19	1.1	7563	4	Sequence 3898, Ap
C 3	18	1.1	832	1	Sequence 33, Appl
C 4	18	1.1	832	2	Sequence 6, Appl
C 5	18	1.1	876	4	Sequence 6, Appl
C 6	18	1.1	877	4	Sequence 48, Appl
C 7	18	1.1	877	4	Sequence 72, Appl
C 8	18	1.1	1028	3	Sequence 68, Appl
C 9	18	1.1	1132	4	Sequence 1, Appl
C 10	18	1.1	1163	3	Sequence 56, Appl
C 11	18	1.1	1185	4	Sequence 5, Appl
C 12	18	1.1	1380	4	Sequence 927, App
C 13	18	1.1	2148	4	Sequence 2115, Ap
C 14	18	1.1	269223	4	Sequence 2704, Ap
C 15	18	1.1	580073	4	Sequence 41, Appl
C 16	18	1.1	640681	4	Sequence 1, Appl
C 17	18	1.1	640681	4	Sequence 1, Appl
C 18	18	1.1	786431	4	Sequence 1, Appl
C 19	18	1.1	4403765	3	Sequence 3, Appl
C 20	18	1.1	4411529	3	Sequence 2, Appl
C 21	17	1.0	28	1	Sequence 1, Appl
C 22	17	1.0	28	1	Sequence 71, Appl
C 23	17	1.0	210	4	Sequence 2588, Ap
C 24	17	1.0	241	4	Sequence 400, App
C 25	17	1.0	241	4	Sequence 400, App
C 26	17	1.0	241	4	Sequence 400, App
C 27	17	1.0	241	4	Sequence 400, App

28	17	1.0	241	4	US-09-834-759-400	Sequence 400, App
29	17	1.0	267	4	US-09-313-294A-1630	Sequence 1630, Ap
30	17	1.0	326	1	US-08-525-596B-7	Sequence 7, Appli
31	17	1.0	326	3	US-09-177-860A-7	Sequence 7, Appli
32	17	1.0	326	4	US-09-378-238-7	Sequence 7, Appli
33	17	1.0	326	4	US-09-451-501-7	Sequence 7, Appli
34	17	1.0	326	4	US-09-629-938-7	Sequence 7, Appli
35	17	1.0	326	4	US-09-686-344-7	Sequence 7, Appli
36	17	1.0	414	4	US-09-621-976-9913	Sequence 7, Appli
37	17	1.0	540	4	US-09-134-000C-3232	Sequence 913, Ap
38	17	1.0	609	4	US-09-322-357-50	Sequence 3232, Ap
39	17	1.0	675	4	US-09-489-039A-6750	Sequence 50, Appl
40	17	1.0	835	4	US-09-171-209-42	Sequence 6750, Ap
41	17	1.0	938	4	US-09-843-472-2	Sequence 42, Appl
42	17	1.0	1128	4	US-09-252-149B-1	Sequence 2, Appli
43	17	1.0	1128	4	US-09-451-501-20	Sequence 1, Appli
44	17	1.0	1128	4	US-09-451-501-26	Sequence 20, Appl
45	17	1.0	1128	4	US-09-686-344-20	Sequence 26, Appl
						Sequence 20, Appl

ALIGNMENTS

RESULT 1

US-08-956-171E-3898/c
; Sequence 3898, Application US/08956171E
; Patent No. 6593114

GENERAL INFORMATION:

APPLICANT: Charles Kunsch
Gil H. Choi
Patrick S. Dillon
Craig A. Rosen
Steven C. Barash
Michael R. Fannon
TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
NUMBER OF SEQUENCES: 5256
CORRESPONDENCE ADDRESS:
ADDRESSER: Human Genome Sciences, Inc.
STREET: 9410 Key West Avenue
CITY: Rockville
STATE: Maryland
COUNTRY: USA
ZIP: 20850

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
COMPUTER: HP Vectra 486/33
OPERATING SYSTEM: MSDOS version 6.2
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/956,171E
FILING DATE: 20-Oct-1997
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/009,861
FILING DATE: January 5, 1996
APPLICATION NUMBER: 08/781,986
FILING DATE: January 3, 1997
ATTORNEY/AGENT INFORMATION:
NAME: Mark J. Hyman
REGISTRATION NUMBER: 46,789
REFERENCE/DOCKET NUMBER: PB248P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (240) 314-1224
TELEFAX: (240) 309-8439

SEQUENCE CHARACTERISTICS:

INFORMATION FOR SEQ ID NO: 3898:
SEQUENCE CHARACTERISTICS:
LENGTH: 400 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 3898:
US-08-956-171E-3898

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Query Match 1.1%; Score 19; DB 4; Length 400;
Best Local Similarity 100.0%; Pred. No. 9.2; 0; Indels 0; Gaps 0;
Matches 19; Conservative 0; Mismatches 0;

QY 49 TTGTTGGAATGCTTTTCA 67
DB 129 TTGTTGGAATGCTTTTCA 111

RESULT 2
US-08-956-171E-33/c
; Sequence 33, Application US/08956171E
; Patent No. 6593114
; GENERAL INFORMATION:
; APPLICANT: Charles Kunsch
; Gil H. Choi
; Patrick S. Dillon
; Craig A. Rosen
; Steven C. Barash
; Michael R. Fannon
; TITLE OF INVENTION: Staphylococcus aureus Polynucleotides and Sequences
; NUMBER OF SEQUENCES: 5256
; CORRESPONDENCE ADDRESS:
; ADDRESS: Human Genome Sciences, Inc.
; STREET: 9410 Key West Avenue
; CITY: Rockville
; STATE: Maryland
; COUNTRY: USA
; ZIP: 20850
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.4Mb storage
; COMPUTER: HP Vectra 486/33
; OPERATING SYSTEM: MSDOS version 6.2
; SOFTWARE: ASCII Text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/956,171E
; FILING DATE: 20-Oct-1997
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/009,861
; FILING DATE: January 5, 1996
; APPLICATION NUMBER: 08/781,986
; FILING DATE: January 3, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mark J. Hyman
; REGISTRATION NUMBER: 46,789
; REFERENCE/DOCKET NUMBER: PB248P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (240) 314-1224
; TELEFAX: (301) 309-8439
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 7563 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 33:
US-08-956-171E-33

Query Match 1.1%; Score 19; DB 4; Length 7563;
Best Local Similarity 100.0%; Pred. No. 9.1;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 49 TTGTTGGAATGCTTTTCA 67
DB 2292 TTGTTGGAATGCTTTTCA 2274

RESULT 3
US-08-340-539A-6
; Sequence 6, Application US/08340539A
; Patent No. 5808025
; GENERAL INFORMATION:
; APPLICANT: Tedder, Thomas F.
; APPLICANT: Kansas, Geoffrey S.
; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
; TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESS: FISH & NEAVE
; STREET: 1251 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: USA
; ZIP: 10020
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/340,539A
; FILING DATE: 16-NOV-1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/008,459
; FILING DATE: 25-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Gunnison, Jane
; REGISTRATION NUMBER: 38,479
; REFERENCE/DOCKET NUMBER: CG-104 CON
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-596-9000
; TELEFAX: 212-596-9090
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 832 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-340-539A-6

Query Match 1.1%; Score 18; DB 1; Length 832;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 189 TCTATGCTCTAAAGAAATG 206
DB 86 TCTATGCTCTAAAGAAATG 103

RESULT 4
US-08-461-592B-6
; Sequence 6, Application US/08461592B
; Patent No. 5834425
; GENERAL INFORMATION:
; APPLICANT: Tedder, Thomas F.
; APPLICANT: Kansas, Geoffrey S.
; TITLE OF INVENTION: CHIMERIC SELECTINS AS SIMULTANEOUS
; TITLE OF INVENTION: BLOCKING AGENTS FOR COMPONENT SELECTIN FUNCTION
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESS: Weingarten, Schurgin, Gagnebin & Hayes
; STREET: Ten Post Office Square
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/461,592B
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; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/340,539
; FILING DATE: 16-NOV-1994
; PRIOR APPLICATION DATA: US 08/008,459
; APPLICATION NUMBER: US 08/008,459
; FILING DATE: 25-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: James F. Haley, Jr.
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: CG-104
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 596-9000
; TELEFAX: (212) 596-9030
; TELEX: 14-8367
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 832 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-461-592B-6

Query Match 1.1%; Score 18; DB 2; Length 832;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 189 TCTATGCTTAAGAAATG 206
Db 86 TCTATGCTTAAGAAATG 103

RESULT 5
US-09-198-119C-48/c
; Sequence 48, Application US/09198119C
; Patent No. 6417428
; GENERAL INFORMATION:
; APPLICANT: Thomashow, Michael
; APPLICANT: Stockinger, Eric
; APPLICANT: Jaglo-Ottosen, Kirsten
; APPLICANT: Gilmour, Sarah
; APPLICANT: Zarka, Daniel
; APPLICANT: Jiang, Cai-Zhong
; TITLE OF INVENTION: Plant Having Altered Environmental Stress Tolerance
; FILE REFERENCE: 19117.713 Seq List
; CURRENT APPLICATION NUMBER: US/09/198,119C
; PRIOR FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: US 08/706,270
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: US 09/018,233
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/017,816
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/018,235
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/017,575
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/018,227
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/018,234
; PRIOR FILING DATE: 1998-02-03
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 48
; LENGTH: 876
; TYPE: DNA
; ORGANISM: Brassica napus
; FEATURE:
; OTHER INFORMATION: bncBF2 gene
; US-09-198-119C-48

Query Match 1.1%; Score 18; DB 2; Length 832;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 189 TCTATGCTTAAGAAATG 206
Db 86 TCTATGCTTAAGAAATG 103

US-08-461-592B-6
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/340,539
; FILING DATE: 16-NOV-1994
; PRIOR APPLICATION DATA: US 08/008,459
; APPLICATION NUMBER: US 08/008,459
; FILING DATE: 25-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: James F. Haley, Jr.
; REGISTRATION NUMBER: 27,794
; REFERENCE/DOCKET NUMBER: CG-104
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 596-9000
; TELEFAX: (212) 596-9030
; TELEX: 14-8367
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 832 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; US-08-461-592B-6

Query Match 1.1%; Score 18; DB 2; Length 832;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 189 TCTATGCTTAAGAAATG 206
Db 86 TCTATGCTTAAGAAATG 103

RESULT 5
US-09-198-119C-48/c
; Sequence 48, Application US/09198119C
; Patent No. 6417428
; GENERAL INFORMATION:
; APPLICANT: Thomashow, Michael
; APPLICANT: Stockinger, Eric
; APPLICANT: Jaglo-Ottosen, Kirsten
; APPLICANT: Gilmour, Sarah
; APPLICANT: Zarka, Daniel
; APPLICANT: Jiang, Cai-Zhong
; TITLE OF INVENTION: Plant Having Altered Environmental Stress Tolerance
; FILE REFERENCE: 19117.713 Seq List
; CURRENT APPLICATION NUMBER: US/09/198,119C
; PRIOR FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: US 08/706,270
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: US 09/018,233
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/017,816
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/018,235
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/017,575
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/018,227
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/018,234
; PRIOR FILING DATE: 1998-02-03
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 48
; LENGTH: 876
; TYPE: DNA
; ORGANISM: Brassica napus
; FEATURE:
; OTHER INFORMATION: bncBF2 gene
; US-09-198-119C-48

Query Match 1.1%; Score 18; DB 4; Length 876;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1364 CCCATTGTACAGATGGT 1381
Db 815 CCCATTGTACAGATGGT 798

RESULT 6
US-09-198-119C-72/c
; Sequence 72, Application US/09198119C
; Patent No. 6417428
; GENERAL INFORMATION:
; APPLICANT: Thomashow, Michael
; APPLICANT: Stockinger, Eric
; APPLICANT: Jaglo-Ottosen, Kirsten
; APPLICANT: Gilmour, Sarah
; APPLICANT: Zarka, Daniel
; APPLICANT: Jiang, Cai-Zhong
; TITLE OF INVENTION: Plant Having Altered Environmental Stress Tolerance
; FILE REFERENCE: 19117.713 Seq List
; CURRENT APPLICATION NUMBER: US/09/198,119C
; CURRENT FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: US 08/706,270
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: US 09/018,233
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/017,816
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/018,235
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/017,575
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/018,227
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/018,234
; PRIOR FILING DATE: 1998-02-03
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 72
; LENGTH: 877
; TYPE: DNA
; ORGANISM: Brassica oleracea
; FEATURE:
; OTHER INFORMATION: bocBF5 gene
; US-09-198-119C-72

Query Match 1.1%; Score 18; DB 4; Length 877;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1364 CCCATTGTACAGATGGT 1381
Db 815 CCCATTGTACAGATGGT 798

RESULT 7
US-09-198-119C-68/c
; Sequence 68, Application US/09198119C
; Patent No. 6417428
; GENERAL INFORMATION:
; APPLICANT: Thomashow, Michael
; APPLICANT: Stockinger, Eric
; APPLICANT: Jaglo-Ottosen, Kirsten
; APPLICANT: Gilmour, Sarah
; APPLICANT: Zarka, Daniel
; APPLICANT: Jiang, Cai-Zhong
; TITLE OF INVENTION: Plant Having Altered Environmental Stress Tolerance
; FILE REFERENCE: 19117.713 Seq List
; CURRENT APPLICATION NUMBER: US/09/198,119C
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; CURRENT FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: US 08/706,270
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: US 09/018,233
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/017,816
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/018,235
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/017,575
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/018,227
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/018,234
; PRIOR FILING DATE: 1998-02-03
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 68
; LENGTH: 887
; TYPE: DNA
; ORGANISM: Brassica oleracea
; FEATURE:
; OTHER INFORMATION: boCBF3 gene
US-09-198-119C-68

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```

Query Match 1.1% Score 18; DB 4; Length 887;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1364 CCCCATTCACAGATGGT 1381
Db 822 CCCCATTCACAGATGGT 805

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RESULT 8
US-09-249-180-1/c
; Sequence 1, Application US/09249180
; Patent No. 6268548
; GENERAL INFORMATION:
; APPLICANT: Elthon, Thomas E
; APPLICANT: Lund, Adrian A
; APPLICANT: Bhatramakki, Dinakar
; APPLICANT: Rhoads, David M.
; TITLE OF INVENTION: Isolation and Characterization of Heat Shock Protein
; FILE REFERENCE: UNV52819
; CURRENT APPLICATION NUMBER: US/09/249,180
; CURRENT FILING DATE: 1999-02-12
; EARLIER APPLICATION NUMBER: 60/076/014
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: Created in PatentIn Ver. 2.0, Edited in WordPerfect 6.1
; SEQ ID NO 1
; LENGTH: 1028
; TYPE: DNA
; ORGANISM: Zea mays
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (79)..(735)
; FEATURE:
; NAME/KEY: gene
; LOCATION: (1)..(1028)
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (424)..(693)
; OTHER INFORMATION: Heat Shock Domain
; FEATURE:
; NAME/KEY: exon
; LOCATION: (1)..(328)
; FEATURE:
; NAME/KEY: exon
; LOCATION: (329)..(1028)
; FEATURE:
; NAME/KEY: Poly A_site

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; LOCATION: (1028)..(1028)
; FEATURE:
; NAME/KEY: mRNA
; LOCATION: (1)..(1028)
; FEATURE:
; NAME/KEY: source
; LOCATION: (1)..(1028)
; OTHER INFORMATION: Zea Mays L., Line B73
; FEATURE:
; NAME/KEY: transit peptide
; LOCATION: (79)..(213)
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: (736)..(1028)
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: (1)..(78)
; PUBLICATION INFORMATION:
; AUTHORS: Lund, Adrian A.
; AUTHORS: Blum, Paul H.
; AUTHORS: Bhatramakki, Dinakar
; AUTHORS: Elthon, Thomas E.
; TITLE: Heat-Stress Response of Maize Mitochondria
; JOURNAL: Plant Physiol.
; VOLUME: 116
; PAGES: 1097-1110
; DATE: 1998-03-00
US-09-249-180-1

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Query Match 1.1% Score 18; DB 3; Length 1028;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy 1391 ATACTGATAGAGATAGA 1408
Db 880 ATACTGATAGAGATAGA 863

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RESULT 9
US-09-198-119C-56/c
; Sequence 56, Application US/09198119C
; Patent No. 6417428
; GENERAL INFORMATION:
; APPLICANT: Thomashow, Michael
; APPLICANT: Stockinger, Eric
; APPLICANT: Jaglo-Ottosen, Kirsten
; APPLICANT: Gilmour, Sarah
; APPLICANT: Zarka, Daniel
; APPLICANT: Jiang, Cai-Zhong
; TITLE OF INVENTION: Plant Having Altered Environmental Stress Tolerance
; FILE REFERENCE: 19117.713 Seq List
; CURRENT APPLICATION NUMBER: US/09/198,119C
; CURRENT FILING DATE: 1998-11-23
; PRIOR APPLICATION NUMBER: US 08/706,270
; PRIOR FILING DATE: 1998-09-04
; PRIOR APPLICATION NUMBER: US 09/018,233
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/017,816
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/018,235
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/017,575
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/018,227
; PRIOR FILING DATE: 1998-02-03
; PRIOR APPLICATION NUMBER: US 09/018,234
; PRIOR FILING DATE: 1998-02-03
; NUMBER OF SEQ ID NOS: 95
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 56
; LENGTH: 1132
; TYPE: DNA
; ORGANISM: Brassica napus

```


RESULT 13
US-09-328-352-2704/c
; Sequence 2704, Application US/09328352
; Patent No. 6562958
; GENERAL INFORMATION:
; APPLICANT: Gary L. Breton et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO ACINETOBACTER
; TITLE OF INVENTION: BAUMANNII FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC99-03PA
; CURRENT APPLICATION NUMBER: US/09/328,352
; CURRENT FILING DATE: 1999-06-04
; NUMBER OF SEQ ID NOS: 8252
; SEQ ID NO 2704
; LENGTH: 2148
; TYPE: DNA
; ORGANISM: Acinetobacter baumannii
US-09-328-352-2704

Query Match 1.1%; Score 18; DB 4; Length 2148;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 363 ATGAATGGTATGCTGATG 380
|||||
Db 1263 ATGAATGGTATGCTGATG 1246

RESULT 14
US-09-596-002-41/c
; Sequence 41, Application US/09596002
; Patent No. 6632636
; GENERAL INFORMATION:
; APPLICANT: Lagace, Robert, E.
; APPLICANT: Patterson, Chandra
; APPLICANT: Berg, Kim, L.
; TITLE OF INVENTION: NUCLEOTIDE SEQUENCES OF MORAXELLA CATARRHALIS GENOME
; FILE REFERENCE: PM-0008-4 US
; CURRENT APPLICATION NUMBER: US/09/596,002
; CURRENT FILING DATE: 2000-06-16
; PRIOR APPLICATION NUMBER: 60/140,121
; PRIOR FILING DATE: 1999-06-18
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PERL Program
; SEQ ID NO 41
; LENGTH: 269223
; TYPE: DNA
; ORGANISM: Moraxella catarrhalis
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte template ID No. 6632636 41
; PUBLICATION INFORMATION:
US-09-596-002-41

Query Match 1.1%; Score 18; DB 4; Length 269223;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1492 CCGCATCAAAAAGCGTTG 1509
|||||
Db 23955 CCGCATCAAAAAGCGTTG 23938

RESULT 15
US-08-545-528D-1
; Sequence 1, Application US/08545528D
; Patent No. 6537773
; GENERAL INFORMATION:
; APPLICANT: Fraser et al.
; TITLE OF INVENTION: Nucleotide Sequence of the Mycoplasma Genitalium Genome, Fragment
; Patent No. 6537773
; TITLE OF INVENTION: Thereof, and Uses Thereof

; FILE REFERENCE: PB193PI
; CURRENT APPLICATION NUMBER: US/08/545,528D
; CURRENT FILING DATE: 1995-10-19
; PRIOR APPLICATION NUMBER: US 08/488,018
; PRIOR FILING DATE: 1995-06-07
; PRIOR APPLICATION NUMBER: US 08/473,545
; PRIOR FILING DATE: 1995-06-07
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 580073
; TYPE: DNA
; ORGANISM: Mycoplasma genitalium
US-08-545-528D-1

Query Match 1.1%; Score 18; DB 4; Length 580073;
Best Local Similarity 100.0%; Pred. No. 29;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1332 ATTTGTGAAAAGAGAAA 1349
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Db 355690 ATTTGTGAAAAGAGAAA 355707

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Job time : 135.376 secs

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OM nucleic - nucleic search, using sw model

Run on: August 7, 2004, 09:55:58 ; Search time 804.325 Seconds
(without alignments)

10222.935 Million cell updates/sec

Title: US-09-938-842A-3729

Perfect score: 1677

Sequence: 1 gggttaagcgtttacttatg.....ttctctcagctatatttta 1677

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Gapop_60.0 , Gapext 60.0

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Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

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9: /cgn2_6/ptodata/1/pubpna/US09A_PUBCOMB.seq:*
10: /cgn2_6/ptodata/1/pubpna/US09B_PUBCOMB.seq:*
11: /cgn2_6/ptodata/1/pubpna/US09C_PUBCOMB.seq:*
12: /cgn2_6/ptodata/1/pubpna/US09_NEW_PUB.seq:*
13: /cgn2_6/ptodata/1/pubpna/US10A_PUBCOMB.seq:*
14: /cgn2_6/ptodata/1/pubpna/US10B_PUBCOMB.seq:*
15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
16: /cgn2_6/ptodata/1/pubpna/US10D_PUBCOMB.seq:*
17: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
18: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
19: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1677	100.0	1677	9	US-09-938-842A-3729
2	1677	100.0	1677	11	Sequence 3729, Ap
3	23	1.4	174448	13	US-09-938-842A-3729
4	21	1.3	330	10	US-10-087-192-148
5	21	1.3	394	10	US-09-930-213-54
6	21	1.3	406	13	US-09-803-719-707
7	21	1.3	407	10	US-10-424-599-103891
8	21	1.3	2000	10	US-09-803-719-1633
9	21	1.3	108359	15	US-10-191-807-3
10	20	1.2	627	13	US-10-027-632-54726
11	20	1.2	627	13	US-10-027-632-294129
12	20	1.2	627	16	US-10-027-632-54726
13	20	1.2	627	16	US-10-027-632-294129
14	20	1.2	628	17	US-10-437-963-9063

C 15	20	1.2	768	9	US-09-815-242-9987	Sequence 9987, Ap
C 16	20	1.2	768	13	US-10-282-122A-39631	Sequence 39631, A
C 17	20	1.2	769	13	US-10-282-122A-38869	Sequence 38869, A
C 18	20	1.2	1793	13	US-10-424-599-63060	Sequence 63060, A
C 19	20	1.2	6059	17	US-10-437-963-70677	Sequence 70677, A
C 20	20	1.2	6849	17	US-10-437-963-101721	Sequence 101721, A
C 21	19	1.1	199	15	US-10-029-386-14103	Sequence 14103, A
C 22	19	1.1	281	13	US-10-085-783A-18166	Sequence 18166, A
C 23	19	1.1	281	16	US-10-242-535A-18166	Sequence 18166, A
C 24	19	1.1	307	17	US-10-437-963-26666	Sequence 26666, A
C 25	19	1.1	377	9	US-09-983-965-5678	Sequence 5678, Ap
C 26	19	1.1	400	8	US-08-781-986A-3898	Sequence 3898, Ap
C 27	19	1.1	400	13	US-10-329-624-3898	Sequence 3898, Ap
C 28	19	1.1	502	17	US-10-437-963-55251	Sequence 55251, A
C 29	19	1.1	547	15	US-10-029-386-398	Sequence 398, App
C 30	19	1.1	588	13	US-10-027-632-88862	Sequence 88862, A
C 31	19	1.1	588	13	US-10-027-632-88863	Sequence 88863, A
C 32	19	1.1	588	16	US-10-027-632-88862	Sequence 88862, A
C 33	19	1.1	588	16	US-10-027-632-88863	Sequence 88863, A
C 34	19	1.1	598	13	US-10-027-632-230239	Sequence 230239, A
C 35	19	1.1	598	13	US-10-027-632-230240	Sequence 230240, A
C 36	19	1.1	598	16	US-10-027-632-230239	Sequence 230239, A
C 37	19	1.1	598	16	US-10-027-632-230240	Sequence 230240, A
C 38	19	1.1	652	13	US-10-027-632-133067	Sequence 133067, A
C 39	19	1.1	652	16	US-10-027-632-133067	Sequence 133067, A
C 40	19	1.1	672	13	US-10-027-632-34038	Sequence 34038, A
C 41	19	1.1	672	16	US-10-027-632-34038	Sequence 34038, A
C 42	19	1.1	903	9	US-09-815-242-2975	Sequence 2975, Ap
C 43	19	1.1	903	13	US-10-282-122A-5549	Sequence 5549, Ap
C 44	19	1.1	909	9	US-09-815-242-4338	Sequence 4338, Ap
C 45	19	1.1	921	9	US-09-815-242-8202	Sequence 8202, Ap

ALIGNMENTS

RESULT 1

US-09-938-842A-3729
; Sequence 3729, Application US/09938842A
; Patent No. US20020160378A1
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Krepis, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; FILE REFERENCE: SAME, AND METHODS OF USE
; CURRENT APPLICATION NUMBER: SCRIPI300-3
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 3729
; LENGTH: 1677
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-3729

Query Match 100.0%; Score 1677; DB 9; Length 1677;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1677; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGTTAGCGTTTACTTATGCTTTATATGCAACGGAAGAAATATGCAATTGTTGGATGC 60
Db 1 GGTTAGCGTTTACTTATGCTTTATATGCAACGGAAGAAATATGCAATTGTTGGATGC 60
Qy 61 TTTTTCAGATCATCAAGGCTCCTACAGATTTCTTAGGGAATGTTTCAGGCTTTTGTGA 120

Db 61 TTTTTCAGATCATCAAGGCTCCTACAGATTTCTTAGGAATGGTTTCAGGCTTTTGTGA 120
Qy 121 GAAATTGTGTTTATTTGCAACAGGTAGAGNACATAACCATAGACAGATCTATCTGAAGAGA 180
Db 121 GAAATTGTGTTTATTTGCAACAGGTAGAGNACATAACCATAGACAGATCTATCTGAAGAGA 180
Qy 181 TAAAGCTTCTCTATGTCTTAAAGAAATGGACCGGATAGCAATATAAACAAGCATCATTAAGAT 240
Db 181 TAAAGCTTCTCTATGTCTTAAAGAAATGGACCGGATAGCAATATAAACAAGCATCATTAAGAT 240
Qy 241 TAAATGGTTTGAAGAAATPACACATTTATTTATGTGAATTTGTGTGTTAGTGAAGAT 300
Db 241 TAAATGGTTTGAAGAAATPACACATTTATTTATGTGAATTTGTGTGTTAGTGAAGAT 300
Qy 301 AAAACATCGGAATCCAAACCTCAAAATTTACCAATCAGCCCAATATTGTATGCTGGCG 360
Db 301 AAAACATCGGAATCCAAACCTCAAAATTTACCAATCAGCCCAATATTGTATGCTGGCG 360
Qy 361 TAAATGAATGGTATGCTGTAGTAGGCAAAAGTTGGTGGCTGGGAAATTAACAACATTATC 420
Db 361 TAAATGAATGGTATGCTGTAGTAGGCAAAAGTTGGTGGCTGGGAAATTAACAACATTATC 420
Qy 421 CCTCTGTGTGACCGGAATCTGTAAATCGGAAAGAGTGGAACCCACTTGGTTTAACTTTT 480
Db 421 CCTCTGTGTGACCGGAATCTGTAAATCGGAAAGAGTGGAACCCACTTGGTTTAACTTTT 480
Qy 481 AAGCCTTAAAGGTTACTACCGGTTTACCGGTTTACCGGTTTAAATTTGGTGTAAATTTAGTG 540
Db 481 AAGCCTTAAAGGTTACTACCGGTTTACCGGTTTACCGGTTTAAATTTGGTGTAAATTTAGTG 540
Qy 541 GGATCGGTTTGTGTTTAAATCTCAAGGCCACGTTATCGCCAAATATTGATTTTGAAGTG 600
Db 541 GGATCGGTTTGTGTTTAAATCTCAAGGCCACGTTATCGCCAAATATTGATTTTGAAGTG 600
Qy 601 GGTAGGAATGTGGGGTCCAAATAGTTGGGCTTAGCCCTCAACAATGTGTGGAATGAAG 660
Db 601 GGTAGGAATGTGGGGTCCAAATAGTTGGGCTTAGCCCTCAACAATGTGTGGAATGAAG 660
Qy 661 AGAGTAGGTCAGCTCAGGCCACACATTCACATTTTCTGTTTCTAGCTTCTTCTTCTG 720
Db 661 AGAGTAGGTCAGCTCAGGCCACACATTCACATTTTCTGTTTCTAGCTTCTTCTTCTG 720
Qy 721 TGCTTACGCTCCCTCTTCTGCTCGGTATGATCAAGTAGCATAGTGGTTTCAAA 780
Db 721 TGCTTACGCTCCCTCTTCTGCTCGGTATGATCAAGTAGCATAGTGGTTTCAAA 780
Qy 781 CCGGAAACAGTACCAACGAATCAAAATAGTTTGAATCGGTTACATCTAGTTACCGTCG 840
Db 781 CCGGAAACAGTACCAACGAATCAAAATAGTTTGAATCGGTTACATCTAGTTACCGTCG 840
Qy 841 AACTTACAATCATTTTCGATTCTGATCTGATTTCTAGTTCTGTTTGTATGTTTAAATAT 900
Db 841 AACTTACAATCATTTTCGATTCTGATCTGATTTCTAGTTCTGTTTGTATGTTTAAATAT 900
Qy 901 CCGGATTGTACAGTACACAAGTACATAAGTATCGGTATATGTATGTGACCGGTTTAAATC 960
Db 901 CCGGATTGTACAGTACACAAGTACATAAGTATCGGTATATGTATGTGACCGGTTTAAATC 960
Qy 961 AAGGACGGACGATAGGAGATTTTGAATCTCGGAAGAGGATTTATTCATAGACACTA 1020
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Db 1081 GGCTTACAGCTTTTCCATAAAATTAAGTAAATCTTTTTTTCGCTTAAACCAATAAAAT 1140
Qy 1141 ATTGAAATCTTTCACACCATAGAAAGTTAAATTTGATCAGCGATGGAATTTTGTAC 1200
Db 1141 ATTGAAATCTTTCACACCATAGAAAGTTAAATTTGATCAGCGATGGAATTTTGTAC 1200

Qy 1201 AAAAGCTAGTATTTTCATTTGGAGTGTACTAGTAACTAGTAACTAACTAACTAACTAACT 1260
Db 1201 AAAAGCTAGTATTTTCATTTGGAGTGTACTAGTAACTAGTAACTAACTAACTAACTAACT 1260
Qy 1261 TTCTGATTTTGGATTTTGAAGCTTTTCTAGGTTAAAAACAAGTATATTACTAAACAAT 1320
Db 1261 TTCTGATTTTGGATTTTGAAGCTTTTCTAGGTTAAAAACAAGTATATTACTAAACAAT 1320
Qy 1321 AAAAGAAACACATTTTGTGAAAGAGAAATAAAGTTTACTGACCCCATTTGTACAGATCG 1380
Db 1321 AAAAGAAACACATTTTGTGAAAGAGAAATAAAGTTTACTGACCCCATTTGTACAGATCG 1380
Qy 1381 TCCCATATAATACTGATAGAGCAATGGAAGTGAATTTGTTTCCGTTGGTACAA 1440
Db 1381 TCCCATATAATACTGATAGAGCAATGGAAGTGAATTTGTTTCCGTTGGTACAA 1440
Qy 1441 TCGGAATGGTTCTTTAAAGCTCATCGAACACATCAGGACCGTTGATTTTCCCGCATCAA 1500
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Qy 1501 AAAGCGTTGAATACCTATTCTCACTTGTGTTTCTGCTCTCTATATATATATATCTGACGATC 1560
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Qy 1561 ACATTTAGTAAATCTCCTTGGACGTGTAACGCGTTAAAAACGATTTCTTTCCCATTTGATCC 1620
Db 1561 ACATTTAGTAAATCTCCTTGGACGTGTAACGCGTTAAAAACGATTTCTTTCCCATTTGATCC 1620
Qy 1621 GCTTTTAAACACTCTCGTCTCATCTCCACCGTCCGTTTCTCTCAGCTATATTTTA 1677
Db 1621 GCTTTTAAACACTCTCGTCTCATCTCCACCGTCCGTTTCTCTCAGCTATATTTTA 1677

RESULT 2

US-09-938-842A-3729
; Sequence 3729, Application US/09938842A
; Publication No. US20040009476A9
; GENERAL INFORMATION:
; APPLICANT: Harper, Jeff
; APPLICANT: Kreps, Joel
; APPLICANT: Wang, Xun
; APPLICANT: Zhu, Tong
; TITLE OF INVENTION: STRESS-REGULATED GENES OF PLANTS, TRANSGENIC PLANTS CONTAINING
; TITLE OF INVENTION: SAME, AND METHODS OF USE
; FILE REFERENCE: SCRIPT1300-3
; CURRENT APPLICATION NUMBER: US/09/938,842A
; CURRENT FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/227,866
; PRIOR FILING DATE: 2000-08-24
; PRIOR APPLICATION NUMBER: US 60/264,647
; PRIOR FILING DATE: 2001-01-16
; PRIOR APPLICATION NUMBER: US 60/300,111
; PRIOR FILING DATE: 2001-06-22
; NUMBER OF SEQ ID NOS: 5379
; SEQ ID NO 3729
; LENGTH: 1677
; TYPE: DNA
; ORGANISM: Arabidopsis thaliana
US-09-938-842A-3729

Query Match 100.0%; Score 1677; DB 11; Length 1677;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1677; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 GGTAAACGTTTACTTATGTTTATGCAACGGAAGATATTGCCATTGTTGGAATGC 60
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Db 61 TTTTTCAGATCATCAAGGCTCCTACAGATTTCTTAGGGAATGTTTCAGGCTTTTGTGA 120

QY		121	GAAATTGTGTTTATTCGCAACAGGTAGAGAACATTAACAATAGACAGATGTATCTGAAGAGA	180
DB		121	GAAATTGTGTTTATTCGCAACAGGTAGAGAACATAAACCATAGACAGATGTATCTGAAGAGA	180
QY		181	TAACTCTTCTATGTCTTAAAGAAATGACCGATACGAATAAAAAACAAGCATCATTAAGAAT	240
DB		181	TAACTCTTCTATGTCTTAAAGAAATGGACCGATACGNATAAAAACAGCATCATTAAGAAT	240
QY		241	TAAATGGTTTTGAAGAAATACTACACTTATTTATGTGMAATTGTGTGGTTAGTGAAAAGT	300
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QY		301	AAAAACATCGGAATCCAAACCTCAAATTTACCAATCAGGCCAAAATTTATTTGATGCTGGCG	360
DB		301	AAAAACATCGGAATCCAAACCTCAAATTTACCAATCAGGCCAAAATTTATTTGATGCTGGCG	360
QY		361	TAATGAATGGTATGCTGATCGTAGGCAAAAGTTGGTGCGCAAAATTAACAACATTATC	420
DB		361	TAATGAATGGTATGCTGATGGTAGGCMAAAGTTGGTGCGCAAAATTAACAACATTATC	420
QY		421	CCTCTGTGTGGACCGGAATCTGTAAATCGAAAAGGTGGAACCCACCTTGTTTTAACTTTT	480
DB		421	CCTCTGTGTGGACCGGAATCTGTAAATCGAAAAGGTGGAACCCACCTTGTTTTAACTTTT	480
QY		481	AAGCCTAAAAGGTTACTACCGTTTTGACCGGTTTAAATTTGGTGTGTTAAATCTTAATCCC	540
DB		481	AAGCCTAAAAGGTTACTACCGGTTTGAACCGGTTTAAATTTGGTGTGTTAAATCTTAATCCC	540
QY		541	GGATCCGTTTTGTTGTTTAATCTCAAGGCCACGTTATCGCCAATTAATTTGAATTTTCAGTG	600
DB		541	GGATCCGTTTTGTTGTTTAATCTCAAGGCCACGTTATCGCCAATTAATTTGAATTTTCAGTG	600
QY		601	GGTAGGAAATSGTGGGTTCGAAATAGTTGGGCCCTAGCCCTCAAACAATGTGTGGAACCTGAAG	660
DB		601	GGTAGGAAATSGTGGGTTCGAAATAGTTGGGCCCTAGCCCTCAAACAATGTGTGGAACCTGAAG	660
QY		661	AGATGAGGTCAGCTCAGGCCCAATTCACAATTTGCGTTTTGAGGCTTTCTTTCTG	720
DB		661	AGATGAGGTCAGCTCAGGCCCAATTCACAATTTGCGTTTTGAGGCTTTCTTTCTG	720
QY		721	TGCTTACGGTCCCTCTTTCTGTGTCGGTCGTATGTACAAAGTAGCATAGCTAGTGGTCAAA	780
DB		721	TGCTTACGGTCCCTCTTTCTGTGTCGGTCGTATGTACAAAGTAGCATAGCTAGTGGTCAAA	780
QY		781	CCGGAACAAGTACCAACGAATCAAAATAAGTTTGAATCGGTTACATCTAGTTACCGTCG	840
DB		781	CCGGAACAAGTACCAACGAATCAAAATAAGTTTGAATCGGTTACATCTAGTTACCGTCG	840
QY		841	AACCTACAATTCATTTTGATTACTTTGATTCGATTTCTGATTTGCGTTTGGTATGTTAAAT	900
DB		841	AACCTACAATTCATTTTGATTACTTTGATTCGATTTCTGATTTGCGTTTGGTATGTTAAAT	900
QY		901	CCGATTTGTAACAGTACACAAGTACATAAGTATGCGGTATATGTATGTACCGGTTTAAATC	960
DB		901	CCGATTTGTAACAGTACACAAGTACATAAGTATGCGGTATATGTATGTACCGGTTTAAATC	960
QY		961	AAAGGACGGACGATAGGAGGATTTTGGAAATCCCTGGAAAAGGAGGATTAATTCATAGACACTA	1020
DB		961	AAAGGACGGACGATAGGAGGATTTTGGAAATCCCTGGAAAAGGAGGATTAATTCATAGACACTA	1020
QY		1021	ATTAGCTTTTGTGTGGCGACGCTTGTGACCTACATTAATTAATGGGTCCAAACCGGATG	1080
DB		1021	ATTAGCTTTTGTGTGGCGACGCTTGTGACCTACATTAATTAATGGGTCCAAACCGGATG	1080
QY		1081	GGCTTACAGCTTTTCCATAAATTAAGTAAATTCITTTTTTGGCTTAACCAATAAAAT	1140
DB		1081	GGCTTACAGCTTTTCCATAAATTAAGTAAATTCITTTTTTGGCTTAACCAATAAAAT	1140
QY		1141	ATTGAAAATCTTTTCCAAACCATAGAAAAGTTAAATTTGATCAGCGATGGAATTTTGTGAC	1200
DB		1141	ATTGAAAATCTTTTCCAAACCATAGAAAAGTTAAATTTGATCAGCGATGGAATTTTGTGAC	1200
QY		1201	AAAGCTAGGTAATTTCAATTTGGGAGTGTAAGTAACTAGTAAGTACTAAACGCAAGTGAAT	1260

[illegible]

QY 223 ACAAGCATCATTTAAAGATTAAAT 245
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Db 149367 ACAAGCATCATTTAAAGATTAAAT 149345

RESULT 4
US-09-930-213-54
; Sequence 54, Application US/09930213
; Publication No. US20030170625A1

Query Match 1.4%; Score 23; DB 13; Length 174448;
Best Local Similarity 100.0%; Pred. No. 1.7;

Best local similarity 100.0%; Freq. NO. 1.7;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; GENERAL INFORMATION:
; APPLICANT: ROSENTHAL, ANDRE
; APPLICANT: HINZMANN, BERND
; APPLICANT: SCHAFER, REINHARD
; APPLICANT: ZUBER, JOHANNES
; APPLICANT: TCHE-NITSE, OLEG
; APPLICANT: GRIPS, MARTIN
; APPLICANT: HELNEGEL, MARTIN
; APPLICANT: SCHMITZ, ANNE-CHANTAL
; APPLICANT: SERS, CHRISTINE
; TITLE OF INVENTION: DETECTION OF DIFFERENTIAL GENE EXPRESSIONS
; FILE REFERENCE: ALBRE-14
; CURRENT APPLICATION NUMBER: US/09/930,213
; CURRENT FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: DE 10004102.7
; PRIOR FILING DATE: 2000-01-31
; NUMBER OF SEQ ID NOS: 885
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 54
; LENGTH: 330
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: modified_base
; LOCATION: (4)
; OTHER INFORMATION: a, t, c, g, other or unknown
; NAME/KEY: modified_base
; LOCATION: (9)
; OTHER INFORMATION: a, t, c, g, other or unknown
; US-09-930-213-54

Query Match
Best Local Similarity 1.3%; Score 21; DB 10; Length 330;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 416 TTATCCCTCTGTGGTGACCC 436
Db 148 TTATCCCTCTGTGGTGACCC 168

RESULT 5
US-09-803-719-707
; Sequence 707, Application US/09803719
; Publication No. US20030044783A1
; GENERAL INFORMATION:
; APPLICANT: Williams, Lewis T.
; APPLICANT: Escobedo, Jaime
; APPLICANT: Innis, Michael A.
; APPLICANT: Garcia, Pablo Dominiguez
; APPLICANT: Sudduth-Klinger, Julie
; APPLICANT: Reinhard, Christoph
; APPLICANT: Giese, Klaus
; APPLICANT: Randazzo, Filippo
; APPLICANT: Kennedy, Giulia C.
; APPLICANT: Pot, David
; APPLICANT: Kassam, Altaf
; APPLICANT: Lamson, George
; APPLICANT: Drmanac, Radoje
; APPLICANT: Crkvenjakov, Radomir
; APPLICANT: Dickson, Mark
; APPLICANT: Drmanac, Snezana
; APPLICANT: Labat, Ivan
; APPLICANT: Leshkowitz, Dena
; APPLICANT: Kita, David
; APPLICANT: Garcia, Veronica
; APPLICANT: Jones, Lee William
; APPLICANT: Stache-Crain, Birgit
; TITLE OF INVENTION: Human Genes and Gene Products
; FILE REFERENCE: 1624.002
; CURRENT APPLICATION NUMBER: US/09/803,719
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/188,609
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; PRIOR FILING DATE: 2000-03-09
; NUMBER OF SEQ ID NOS: 2396
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 707
; LENGTH: 394
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-09-803-719-707

Query Match
Best Local Similarity 1.3%; Score 21; DB 10; Length 394;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 416 TTATCCCTCTGTGGTGACCC 436
Db 49 TTATCCCTCTGTGGTGACCC 69

RESULT 6
US-10-424-599-103891
; Sequence 103891, Application US/10424599
; Publication No. US20040031072A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa Thomas J
; APPLICANT: Kovalic David K
; APPLICANT: Zhou Yihua
; APPLICANT: Cao Yongwei
; TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
; FILE REFERENCE: 38-21(53223)B
; CURRENT APPLICATION NUMBER: US/10/424,599
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 285684
; SEQ ID NO 103891
; LENGTH: 406
; TYPE: DNA
; ORGANISM: Glycine max
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT3847_64830C.1
; US-10-424-599-103891

Query Match
Best Local Similarity 1.3%; Score 21; DB 13; Length 406;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1139 TTATTGAAAATCTTTCCAACC 1159
Db 254 TTATTGAAAATCTTTCCAACC 274

RESULT 7
US-09-803-719-1633
; Sequence 1633, Application US/09803719
; Publication No. US20030044783A1
; GENERAL INFORMATION:
; APPLICANT: Williams, Lewis T.
; APPLICANT: Escobedo, Jaime
; APPLICANT: Innis, Michael A.
; APPLICANT: Garcia, Pablo Dominiguez
; APPLICANT: Sudduth-Klinger, Julie
; APPLICANT: Reinhard, Christoph
; APPLICANT: Giese, Klaus
; APPLICANT: Randazzo, Filippo
; APPLICANT: Kennedy, Giulia C.
; APPLICANT: Pot, David
; APPLICANT: Kassam, Altaf
; APPLICANT: Lamson, George
; APPLICANT: Drmanac, Radoje
; APPLICANT: Crkvenjakov, Radomir
; APPLICANT: Dickson, Mark
; APPLICANT: Drmanac, Snezana
; APPLICANT: Labat, Ivan
; APPLICANT: Leshkowitz, Dena
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; APPLICANT: Kita, David
; APPLICANT: Garcia, Veronica
; APPLICANT: Jones, Lee William
; APPLICANT: Stache-Crain, Birgit
; TITLE OF INVENTION: Human Genes and Gene Products
; FILE REFERENCE: 1624.002
; CURRENT APPLICATION NUMBER: US/09/803,719
; CURRENT FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/188,609
; PRIOR FILING DATE: 2000-03-09
; NUMBER OF SEQ ID NOS: 2396
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1633
; LENGTH: 407
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-803-719-1633

Query Match      1.3%; Score 21; DB 10; Length 407;
Best Local Similarity 100.0%; Pred. No. 9.8;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 416 TTATCCCTCTGTGGTGACCC 436
Db 195 TTATCCCTCTGTGGTGACCC 215

RESULT 8
US-09-930-213-306
; Sequence 306, Application US/09930213
; Publication No. US20030170625A1
; GENERAL INFORMATION:
; APPLICANT: ROSENTHAL, ANDRE
; APPLICANT: HINZMANN, BERND
; APPLICANT: SCHAFER, REINHARD
; APPLICANT: ZUBER, JOHANNES
; APPLICANT: TCHE-NITSE, OLEG
; APPLICANT: GRIPS, MARTIN
; APPLICANT: HELLMER, MARTIN
; APPLICANT: SCHMITZ, ANNE-CHANTAL
; APPLICANT: SERS, CHRISTINE
; TITLE OF INVENTION: DETECTION OF DIFFERENTIAL GENE EXPRESSIONS
; FILE REFERENCE: ALBRE-14
; CURRENT APPLICATION NUMBER: US/09/930,213
; CURRENT FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: DE 10004102.7
; PRIOR FILING DATE: 2000-01-31
; NUMBER OF SEQ ID NOS: 885
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 306
; LENGTH: 2000
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-930-213-306

Query Match      1.3%; Score 21; DB 10; Length 2000;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 416 TTATCCCTCTGTGGTGACCC 436
Db 885 TTATCCCTCTGTGGTGACCC 905

RESULT 9
US-10-191-807-3/c
; Sequence 3, Application US/10191807
; Publication No. US20030068691A1
; GENERAL INFORMATION:
; APPLICANT: HU, Song et al.
; TITLE OF INVENTION: ISOLATED HUMAN SECRETED PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING HUMAN SECRETED PROTEINS, AND
; TITLE OF INVENTION: USES THEREOF
```

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; FILE REFERENCE: CL001275-PROV
; CURRENT APPLICATION NUMBER: US/10/191,807
; CURRENT FILING DATE: 2002-07-10
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 108359
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(108359)
; OTHER INFORMATION: n = A,T,C or G
US-10-191-807-3

Query Match      1.3%; Score 21; DB 15; Length 108359;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 240 TTAATGGTTGTGAAGAAATA 260
Db 75869 TTAATGGTTGTGAAGAAATA 75849

RESULT 10
US-10-027-632-54726/c
; Sequence 54726, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 54726
; LENGTH: 627
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(627)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-54726

Query Match      1.2%; Score 20; DB 13; Length 627;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1134 AAAAATTATTGAAATCTTT 1153
Db 508 AAAAATTATTGAAATCTTT 489

RESULT 11
US-10-027-632-294129/c
; Sequence 294129, Application US/10027632
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```
; Publication No. US20020198371a1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR FILING DATE: 2000-04-20
; PRIOR FILING DATE: 2000-03-29
; PRIOR FILING DATE: 2000-02-24
; PRIOR FILING DATE: 1999-11-23
; PRIOR FILING DATE: 1999-09-28
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 294129
; LENGTH: 627
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc_feature
; LOCATION: (1)...(627)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-294129

Query Match 1.2%; Score 20; DB 13; Length 627;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1134 AAAAAATTATTGAAATCTTT 1153
Db 508 AAAAAATTATTGAAATCTTT 489

RESULT 12
US-10-027-632-54726/c
; Sequence 54726, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR FILING DATE: 2000-04-20
; PRIOR FILING DATE: 2000-03-29
; PRIOR FILING DATE: 2000-02-24
; PRIOR FILING DATE: 1999-11-23
; PRIOR FILING DATE: 1999-09-28
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 294129
; LENGTH: 627
; TYPE: DNA
; ORGANISM: Human
; NAME/KEY: misc_feature
; LOCATION: (1)...(627)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-294129

Query Match 1.2%; Score 20; DB 13; Length 627;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1134 AAAAAATTATTGAAATCTTT 1153
Db 508 AAAAAATTATTGAAATCTTT 489

RESULT 12
US-10-027-632-54726/c
; Sequence 54726, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR FILING DATE: 2000-04-20
; PRIOR FILING DATE: 2000-03-29
; PRIOR FILING DATE: 2000-02-24
; PRIOR FILING DATE: 1999-11-23
; PRIOR FILING DATE: 1999-09-28
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 54726
; LENGTH: 627
; TYPE: DNA
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; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(627)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-54726

Query Match 1.2%; Score 20; DB 16; Length 627;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1134 AAAAAATTATTGAAATCTTT 1153
Db 508 AAAAAATTATTGAAATCTTT 489

RESULT 13
US-10-027-632-294129/c
; Sequence 294129, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR FILING DATE: 2000-07-12
; PRIOR FILING DATE: 2000-04-20
; PRIOR FILING DATE: 2000-03-29
; PRIOR FILING DATE: 2000-02-24
; PRIOR FILING DATE: 1999-11-23
; PRIOR FILING DATE: 1999-09-28
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 294129
; LENGTH: 627
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(627)
; OTHER INFORMATION: n = A,T,C or G
US-10-027-632-294129

Query Match 1.2%; Score 20; DB 16; Length 627;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1134 AAAAAATTATTGAAATCTTT 1153
Db 508 AAAAAATTATTGAAATCTTT 489

RESULT 14
US-10-437-963-9063
; Sequence 9063, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Wu, Wei
; APPLICANT: Boukharov, Andrey A.
```

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; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; FILE REFERENCE: 38-21(53221)B
; CURRENT APPLICATION NUMBER: US/10/437,963
; CURRENT FILING DATE: 2003-05-14
; NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 9063
; LENGTH: 628
; TYPE: DNA
; ORGANISM: Oryza sativa
; FEATURE:
; OTHER INFORMATION: Clone ID: PAT_MRT4530_15514C.1
US-10-437-963-9063

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Query Match 1.2%; Score 20; DB 17; Length 628;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1154 CCAACCATGAGAAAGTTAAA 1173
Db 297 CCAACCATGAGAAAGTTAAA 316

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RESULT 15
US-09-815-242-9987/c
; Sequence 9987, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Kari L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; TITLE OF INVENTION: Prokaryotes
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9987
; LENGTH: 768
; TYPE: DNA
; ORGANISM: Salmonella typhi
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(768)
US-09-815-242-9987

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Query Match 1.2%; Score 20; DB 9; Length 768;
Best Local Similarity 100.0%; Pred. No. 34;
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1249 ACCAGATGAGTTTCTGATT 1268

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Db 332 ACCAGATGAGTTTCTGATT 313
Search completed: August 7, 2004, 13:44:10
Job time : 807.325 secs

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